

**CITY OF NEWARK  
DELAWARE**

**CAPITAL IMPROVEMENTS PROGRAM**

**PROJECT DETAIL  
2007 – 2011**



## CITY MANAGER'S OFFICE

CITY OF NEWARK

220 Elkton Road • P.O. Box 390 • Newark, Delaware 19715-0390

302-366-7020 • Fax 302-366-7160 • <http://newark.de.us>

May 15, 2006

Newark City Council  
City of Newark, Delaware

### 2007-2011 CAPITAL IMPROVEMENT PROGRAM

Mayor Funk and Members of City Council:

I am pleased to submit our recommended 2007-2011 Capital Improvement Program for your review and consideration. Given the financial resources available, the proposed program represents my best assessment of needs over the five-year period.

Your serious consideration of the proposed projects is an important prerequisite to preserve and improve Newark's physical character and quality of assets.

#### Capital Planning in Newark

The pressures of revenue shortfalls and the need to set priorities make it essential to evaluate and adopt a capital improvement program which defines and balances short and long-term needs, along with outlining an appropriate combination of methods for financing capital investments.

Evaluating program needs, establishing goals, and setting priorities of competing capital projects are among the most difficult decisions we face. The 2007-2011 capital improvement program is designed to enhance decision-making through a close integration of financial and physical planning. Because it is comprehensive, the program will accomplish similar purposes to those set forth last year:

1. Stabilize the annual volume of public improvements at a reasonably uniform level.

2. Encourage participation of an informed citizenry in decisions concerning the long-range fiscal impact on the entire community and future taxpayers.
3. Serve as a financial guide for the increased operating and maintenance costs that will result from approved projects.
4. Assist and enable city officials to act promptly, in advance of the need and in the public interest on the most opportune occasions.
5. Serve as an all important catalyst for the expansion and maintenance of a proper tax base for Newark.
6. Minimize bonded indebtedness and interest costs.
7. Identify the consequences of delay in completing necessary capital improvements and replacements.

#### **Policy Guidelines**

Capital improvements are considered to be those projects and purchases which have a usable life in excess of six years or a value of more than \$20,000. If a project entails multiple projects or purchases, any or all of which are individually estimated to cost less than \$20,000 but in aggregate have a value in excess of \$20,000, it is considered to be a capital improvement. Similarly, a project estimated to continue over two or more years before its completion which costs over \$20,000 in total but less than \$20,000 in any individual year, is a capital improvement.

All cost estimates are projected at anticipated 2007 price levels regardless of the year in which the project or purchase is proposed. This provides a certain degree of consistency throughout the program without prognosticating on inflation.

Particular attention was given to the following in reviewing and selecting capital improvement proposals:

1. Eliminating projects that are not eligible for their inclusion in the capital improvement program.
2. Reviewing all proposals in order to prevent overlapping, and checking as to whether the proposals are in conformance with the comprehensive development plan.

3. Carefully exploring the impact of each capital project on the annual operating budget, both in terms of debt service and the cost of operating and maintaining completed projects.
4. Focusing upon the totality of project proposals submitted from the different departments.

### The Order of the Day

The City does not sell infrastructure. We buy it and we build it. It then transforms into service for our shareholders. Simple, right? Not really.

Revenues and financial management provide the fuel we use to engineer expansion of services. In the past few decades, the net results of these factors have been significant fund balances, enough to provide a steady cash flow for financing our large investments. However, deregulation of electric markets, the high cost of energy, and the continuous rise of medical insurance expenditures have, in recent years, eliminated net gains in cash available. This is equivalent to what a reduction in retained earnings would be in the private sector. And it has impacted our portfolio, at least in the short term. The result is a relatively low return on total capital.

Demands are great right now for growth in investments too large for the annual city operating budget. Outside of ongoing infrastructure improvements such as utility substations and water mains, street reconstruction, and large equipment, these include development of the Curtis Paper Mill property, expansion of technology in information services, planning for more sports recreation facilities, and consideration of a new downtown parking structure. A large menu, indeed.

Patience will be required as we review and evaluate our large investments. Key capital developments in the next five years will ultimately depend on the bottom line. This will mandate strong leadership, only in a different way than normally expected. It will necessitate management and execution in a tight fiscal environment. Large-scale commitments of money, and growth for the sake of growth, are not the order of the day.

### The 2007-2011 Capital Improvement Program

The 2007-2011 capital improvement program totals \$10,770,580. This represents a decrease of \$366,450 or 3.3% less than last year's plan.

The recommended capital budget for 2007 is \$1,378,750. This represents a decrease of \$1,331,650 or 49.1% lower than the 2006 capital budget level.



Capital improvements for the five-year planning period are listed by department in the table below.

	(In Thousands of Dollars)					
	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>Total</u>
Electric	\$ 502	\$ 500	\$ 312	\$ 153	\$ 218	\$ 1,685
Water	45	685	244	116	143	1,233
Sewer	0	75	20	20	20	135
Public Works-General	522	1,739	783	962	1,343	5,349
Police	93	349	84	166	136	828
Parks & Recreation	84	349	300	120	228	1,081
Other Departments	115	185	39	60	12	411
Parking	<u>17</u>	<u>15</u>	<u>0</u>	<u>16</u>	<u>0</u>	<u>48</u>
Total	\$1,378	\$3,897	\$1,782	\$1,613	\$2,100	\$10,770

Program costs as a percentage of total projected capital outlays are as follows:

	<u>2007</u>	<u>Percent of Total</u>	<u>2007-2011</u>	<u>Percent of Total</u>
Public Works-General	\$ 522,500	37.9%	\$ 5,349,330	49.7%
Electric	502,000	36.4	1,685,000	15.6
Water	45,000	3.3	1,233,000	11.4
Parks & Recreation	84,300	6.1	1,081,300	10.0
Police	92,950	6.8	827,950	7.7
Other Departments	115,000	8.3	411,000	3.8
Sewer	0	0.0	135,000	1.3
Parking	<u>17,000</u>	<u>1.2</u>	<u>48,000</u>	<u>0.5</u>
Total	\$1,378,750	100.0%	\$10,770,580	100.0%

### Investment Trends and Highlights

There were two primary decisions made during the capital planning process to provide much-needed relief until rate adjustments in the electric and sewer businesses begin to reestablish adequate reserves. The first was to direct key modifications and postponements of some of the larger projects. These include the following:

- Changing the scope of the major substation project (138 kV) to allow for the use of capital reserves for automatic switching (\$690,000).
- Deferring the painting of the Louviers water tank pending a complete inspection (\$186,000).
- Except for the work on the main pond, pushing back the water plant lagoon dredging projects (\$40,000).
- Deferring the municipal building lot paving job as dictated by current conditions (\$130,000).
- Postponing Christina Creek improvements pending the use of existing reserve funds (\$75,000).

The second primary decision was to defer all vehicle and truck replacements initially planned for 2007. These seven pieces of equipment are in good enough shape to be maintained for another year according to our mechanic and maintenance personnel.

In 2007, the following projects and programs make up the majority of the capital plan:

Annual street & storm drain programs	\$385,000
New substation transformer & lines	277,000
Automated refuse & meter reading & Curtis Paper Mill	150,000
New electric utility services	<u>125,000</u>
<b>Total</b>	<b>\$937,000</b>

### Technology

The city staff is planning and implementing a lot of technology enhancements in non-traditional forms. That is, not all of the service improvements are geared toward information and the internet.

Each of the following projects, purchases and/or programs are included in the recommended capital improvement plan. Once completed, they all equate into better and more effective service delivery.

- Automatic computerized switching on the 34.5 kV electric subtransmission system to reduce power outage times.
- Power quality meter and laptop computer equipment.
- The first phase of a water facility telemetering (SCADA) project.
- Final phase of the municipal automated refuse collection program.
- Public works engineering printer and scanner equipment to accommodate CAD output and GIS graphics.
- Police building replacement security and card access system.
- New vehicle-mounted radar units in police cars.
- Automatic security gate at the entrance to Rittenhouse Park.
- Final phase of the automated (radio-read) utility meter equipment project.
- Installation of a proximity card system in three municipal parking lots.

### Funding Sources

Funding sources proposed to support the 2007-2011 capital improvement program are as follows:

	<u>2007</u>	<u>2007-2011</u>
Current Resources	\$1,372,750	\$ 6,558,080
Equipment Replacements	0	4,160,500
Grants	6,000	32,000
Assessments	<u>0</u>	<u>20,000</u>
Total	\$1,378,750	\$10,770,580

The financial support for capital investments continues to be straightforward and simple. Except for \$52,000, the program is funded completely by current revenues and the equipment replacement fund. Similar to last year, our goal is to maintain the current level of capital reserves, which are estimated to be comparatively constant during the next few years.

It is important to note that the whole city capital program is on a pay-as-you-go basis. This is different from many of the other long-term investment plans you see around the country, especially in larger cities where debt financing is such a significant portion of their fiscal plans. We are proud of the fact that most of Newark's large capital purchases and facilities have been financed with current funds or those saved in prior years for future projects.

The program anticipates no new bond issues or any type of borrowing. Capital reserves assisting to support projects have all been allocated through prior budget commitments.

#### The Value of a Long-Term Approach

Consistent fundamentals drive a proper capital planning process. Governments that get themselves in trouble are those who think too much in the short run and not enough over the long haul. It is more than instructive to note that, while the capital budget recommended for 2007 goes down by 49%, the overall program only decreases by a bit more than 3%. The end result is a program which is pretty much on par with the current capital plan.

Still ahead, we need to plan and focus on at least the following additions to our investment portfolio. These have all been mentioned earlier in the beginning of this message.

- Development of the Curtis Paper Mill site.
- Completion of design plans and alternatives for a multi-use sports recreation facility.
- Consideration of a new downtown parking structure.
- Expansion of the city government information services program.


Given the current economy, both here and across the nation, achieving the completion of these projects probably seems insurmountable. To the contrary, with proper planning, patience and continuing to direct ourselves to the bottom line over the long term, these efforts can be developed successfully.

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Anytime it is necessary to use reserve funds for operations, it usually impacts the capital program. The five-year financial capacity schedule projects a recovery from the extreme negative gross margins of utility sales experienced in 2005 and 2006. This is reflected in the estimated increase in accumulated surplus balances beginning in 2008 and beyond. To be sure, this indicates we are on the road to restore our reserves to levels ample enough to increase funding of capital investments.

We look forward to reviewing the program with you.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Carl F. Luft". The signature is fluid and cursive, with a large initial "C" and "L".

Carl F. Luft  
City Manager

CFL/mp

CITY OF NEWARK, DELAWARE

CAPITAL IMPROVEMENTS PROGRAM SUMMARY  
2007 - 2011

FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM

	2007	2008	2009	2010	2011	TOTAL
ELECTRIC FUND	\$502,000	\$500,000	\$312,000	\$153,000	\$218,000	\$1,685,000
WATER FUND	45,000	685,000	244,000	116,000	143,000	1,233,000
SEWER FUND	0	75,000	20,000	20,000	20,000	135,000
PUBLIC WORKS-GEN. FD.	522,500	1,739,000	782,830	962,000	1,343,000	5,349,330
POLICE DEPARTMENT	92,950	349,000	84,000	166,000	136,000	827,950
PARKS & RECREATION DEPT.	84,300	349,000	300,000	120,000	228,000	1,081,300
OTHER DEPARTMENTS	115,000	185,000	39,000	60,000	12,000	411,000
PARKING FUND	17,000	15,000	0	16,000	0	48,000
	<u>\$1,378,750</u>	<u>\$3,897,000</u>	<u>\$1,781,830</u>	<u>\$1,613,000</u>	<u>\$2,100,000</u>	<u>\$10,770,580</u>

PLANNED FINANCING SOURCES

CURRENT RESOURCES	\$1,372,750	\$2,177,500	\$1,304,830	\$829,000	\$874,000	\$6,558,080
CAPITAL RESERVES	0	0	0	0	0	0
EQUIPMENT REPLACEMENT	0	1,688,500	472,000	779,000	1,221,000	4,160,500
BOND ISSUES	0	0	0	0	0	0
GRANTS	6,000	26,000	0	0	0	32,000
OTHER FINANCING SOURCES	0	5,000	5,000	5,000	5,000	20,000
TOTAL	<u>\$1,378,750</u>	<u>\$3,897,000</u>	<u>\$1,781,830</u>	<u>\$1,613,000</u>	<u>\$2,100,000</u>	<u>\$10,770,580</u>

CITY OF NEWARK  
SUMMARY EQUIPMENT REPLACEMENT PROGRAM SCHEDULE  
CAPITAL PROGRAM YEARS 2007 - 2011

DEPARTMENT/DIVISION	REPLACEMENT COSTS				
	2007	2008	2009	2010	2011
ELECTRIC	\$0	\$35,000	\$25,000	\$53,000	\$118,000
WATER	0	114,000	94,000	36,000	63,000
P/W-REFUSE	0	596,000	35,000	309,000	508,000
P/W-STREET	0	314,000	114,000	77,000	272,000
P/W-ENGINEERING	0	17,000	24,000	36,000	18,000
POLICE	0	232,000	84,000	166,000	136,000
PARKS	0	235,500	77,000	26,000	94,000
OTHER DEPTS	0	145,000	19,000	60,000	12,000
PARKING	0	0	0	16,000	0
TOTAL CITY	\$0	\$1,688,500	\$472,000	\$779,000	\$1,221,000
					\$4,160,500

**CITY OF NEWARK, DELAWARE  
FISCAL FINANCIAL CAPACITY**

**2007 - 2011**

	2002	2003	2004	2005	REVISED ESTIMATE 2006	2007	2008	2009	2010	2011
Operating Revenues:										
Utilities Gross Margin										
(Schedule I)										
Property & Realty Taxes	\$16,958,534	\$13,519,343	\$15,782,348	\$5,972,287	\$19,865,792	\$21,222,360	\$21,972,000	\$22,414,000	\$22,486,000	\$22,176,000
Other Revenue	4,661,606	4,710,414	5,283,797	7,681,100	6,407,600	6,542,160	6,686,087	6,839,867	7,004,024	7,179,125
	6,318,548	6,728,127	6,299,045	6,504,233	6,819,780	6,962,995	7,116,181	7,279,853	7,454,570	7,640,934
<b>TOTAL REVENUES</b>	<b>\$27,938,688</b>	<b>\$24,957,884</b>	<b>\$27,365,190</b>	<b>\$20,157,620</b>	<b>\$33,093,172</b>	<b>\$34,727,515</b>	<b>\$35,774,268</b>	<b>\$36,533,721</b>	<b>\$36,944,594</b>	<b>\$36,996,059</b>
Operating Expenses:										
Personal Services	\$14,745,173	\$16,404,827	\$17,551,871	\$18,376,153	\$18,938,621	\$19,980,245	\$21,278,961	\$22,768,488	\$24,476,125	\$26,434,215
Materials & Supplies	1,441,890	1,513,544	1,557,631	1,704,158	1,748,570	1,985,605	2,227,381	2,260,792	2,294,704	2,329,125
Contractual Services	3,303,419	3,496,278	3,772,417	3,694,677	3,499,470	3,569,459	3,640,848	3,713,665	3,787,938	3,863,697
Equipment Depreciation	1,021,394	970,188	1,040,220	1,092,191	1,232,880	2,006,853	2,132,281	1,698,017	1,316,099	1,408,226
Other Expenses	261,810	196,095	189,243	217,302	209,370	213,557	217,828	222,185	226,629	231,162
<b>TOTAL OPERATING EXPENSES</b>	<b>\$20,773,686</b>	<b>\$22,580,932</b>	<b>\$24,111,382</b>	<b>\$25,084,481</b>	<b>\$25,628,911</b>	<b>\$27,755,719</b>	<b>\$29,497,299</b>	<b>\$30,663,147</b>	<b>\$32,101,495</b>	<b>\$34,266,425</b>
<b>GROSS MARGIN FROM OPERATIONS</b>	<b>\$7,165,002</b>	<b>\$2,376,952</b>	<b>\$3,253,808</b>	<b>(\$4,926,861)</b>	<b>\$7,464,261</b>	<b>\$6,971,796</b>	<b>\$6,276,969</b>	<b>\$5,870,574</b>	<b>\$4,843,099</b>	<b>\$2,729,634</b>
Non-Operating Expenses:										
Debt Service	\$743,255	\$2,090,711	\$2,080,022	\$2,035,894	\$2,009,070	\$1,992,010	\$1,965,623	\$1,923,893	\$1,748,648	\$1,578,245
Current Capital Program	2,477,340	2,165,900	1,137,500	1,977,700	1,945,900	1,372,750	2,177,500	1,304,830	829,000	874,000
Reserve for Future Projects	0	0	0	0	0	0	0	0	0	0
<b>TOTAL NON-OPERATING EXP</b>	<b>\$3,220,595</b>	<b>\$4,256,611</b>	<b>\$3,217,522</b>	<b>\$4,013,594</b>	<b>\$3,954,970</b>	<b>\$3,364,760</b>	<b>\$4,143,123</b>	<b>\$3,228,723</b>	<b>\$2,577,648</b>	<b>\$2,452,245</b>
<b>ANNUAL SURPLUS(DEFICIT)</b>	<b>\$3,944,407</b>	<b>(\$1,879,659)</b>	<b>\$36,286</b>	<b>(\$8,940,455)</b>	<b>\$3,509,291</b>	<b>\$3,607,036</b>	<b>\$2,133,846</b>	<b>\$2,641,851</b>	<b>\$2,265,451</b>	<b>\$277,389</b>
<b>ACCUM. SURPLUS(DEFICIT)</b>	<b>\$4,809,622</b>	<b>\$2,929,963</b>	<b>\$2,966,249</b>	<b>(\$5,974,206)</b>	<b>(\$2,464,915)</b>	<b>\$1,142,121</b>	<b>\$3,275,967</b>	<b>\$5,917,818</b>	<b>\$8,183,268</b>	<b>\$8,460,657</b>



SCHEDULE I

CITY OF NEWARK, DELAWARE  
PROJECTED UTILITY REVENUE  
2007 - 2011

	P R O J E C T E D									
	2007	2008	2009	2010	2011					
REVISIED ESTIMATE	2006									
ELECTRIC UTILITY										
Electric Sales										
No. of K. W.H.'s(1,000's)	\$32,905,108	\$31,151,526	\$31,587,979	\$34,589,585	\$46,696,000	\$47,980,000	\$49,301,000	\$50,660,000	\$52,058,000	\$53,495,000
Electricity Purchased	\$382,419,498	\$379,843,967	\$389,425,798	\$401,364,652	\$414,002	\$425,206	\$436,728	\$448,577	\$460,762	\$473,294
No. of K. W.H.'s(1,000's)	\$21,711,194	\$22,701,780	\$21,267,060	\$33,023,556	\$33,410,000	\$33,410,000	\$34,078,000	\$35,100,000	\$36,504,000	\$38,329,000
Gross Electric Margin	\$418,478,103	\$419,914,789	\$424,831,399	\$436,513,380	\$449,609	\$462,648	\$476,065	\$489,871	\$504,077	\$518,695
	\$11,193,914	\$8,449,746	\$10,320,919	\$1,566,029	\$13,286,000	\$14,570,000	\$15,223,000	\$15,560,000	\$15,554,000	\$15,166,000
WATER UTILITY										
Water Sales										
No. of Gallons (1,000's):	\$4,778,054	\$4,593,805	\$4,410,976	\$4,603,170	\$4,828,000	\$4,876,000	\$4,925,000	\$4,974,000	\$5,024,000	\$5,074,000
In Town	958,435	920,695	886,725	935,495	960,674	970,000	980,000	990,000	1,000,000	1,010,000
Out of Town	268,540	252,483	242,755	256,107	271,046	274,000	277,000	280,000	283,000	286,000
Water Purchased	\$826,169	\$1,002,775	\$551,179	\$578,497	\$454,160	\$67,000	\$66,000	\$65,000	\$64,000	\$63,000
No. of Gallons (1,000's)	467,052	562,072	304,044	330,570	259,520	14,286	14,000	14,000	14,000	14,000
Gross Water Margin	\$3,951,885	\$3,591,030	\$3,859,797	\$4,024,673	\$4,373,840	\$4,809,000	\$4,859,000	\$4,909,000	\$4,960,000	\$5,011,000
SEWER UTILITY										
Sewer Service Charges										
No. of Gallons(1,000's)	\$4,510,983	\$4,187,238	\$4,165,254	\$3,267,429	\$5,547,772	\$5,472,360	\$5,609,000	\$5,777,000	\$5,835,000	\$5,893,000
Charges from N.C.C.	1,257,908	1,051,719	1,132,686	1,109,095	1,045,015	1,055,000	1,066,000	1,077,000	1,088,000	1,099,000
No. of Gallons(1,000's)	\$2,893,670	\$2,879,507	\$2,764,137	\$3,065,526	\$3,724,020	\$4,022,000	\$4,123,000	\$4,247,000	\$4,289,000	\$4,332,000
Gross Sewer Margin	1,271,882	1,252,327	1,156,583	1,132,494	1,067,062	1,078,000	1,089,000	1,100,000	1,111,000	1,122,000
	\$1,617,313	\$1,307,731	\$1,401,117	\$201,903	\$1,823,752	\$1,450,360	\$1,486,000	\$1,530,000	\$1,546,000	\$1,561,000
Utility Service Fees and Penalties										
	\$195,422	\$170,836	\$200,515	\$179,682	\$382,200	\$393,000	\$404,000	\$415,000	\$426,000	\$438,000
TOTAL UTILITY MARGIN										
	\$16,958,534	\$13,519,343	\$15,782,348	\$5,972,287	\$19,865,792	\$21,222,360	\$21,972,000	\$22,414,000	\$22,486,000	\$22,176,000

# SCHEDULE II

## CITY OF NEWARK, DELAWARE HISTORIC AND PROJECTED ELECTRIC REVENUE 1976 - 2011

ACTUAL	RESIDENTIAL		COMMERCIAL		INDUSTRIAL		UNIVERSITY		TOTAL	
	K.W.H.'S	AMOUNT	K.W.H.'S	AMOUNT	K.W.H.'S	AMOUNT	K.W.H.'S	AMOUNT	K.W.H.'S	AMOUNT
1975	44,319,101	\$2,071,234	12,798,810	\$963,876	20,534,623	\$962,412	60,654,933	\$2,486,840	142,874,695	5,201,530
1976	43,744,774	2,123,295	22,118,208	1,294,540	20,315,896	952,177	63,873,148	2,700,922	150,052,026	6,484,362
1977	46,233,854	2,369,213	23,746,419	1,375,599	21,133,900	1,089,172	64,876,196	2,842,446	155,990,369	7,070,934
1978	47,263,343	2,166,809	25,482,892	1,363,272	23,620,984	1,046,903	61,837,412	2,338,903	158,204,631	7,676,430
1979	45,845,212	2,734,354	26,815,347	1,791,173	24,579,568	1,425,204	62,166,104	3,157,896	159,406,231	6,915,887
1980	48,801,671	3,452,863	25,738,375	2,080,387	22,352,160	1,573,201	65,433,326	3,955,343	162,325,532	9,108,627
1981	43,986,864	3,893,012	27,178,859	2,627,959	22,602,728	1,898,147	61,462,268	4,569,459	155,230,719	11,061,794
1982	43,137,841	3,933,179	28,292,094	2,873,920	20,068,388	1,768,178	67,617,160	5,077,255	159,115,483	12,988,577
1983	45,837,651	3,956,279	30,083,992	2,930,774	22,240,732	1,864,642	70,991,620	4,951,962	159,115,483	13,652,532
1984	46,407,298	4,219,522	33,540,897	3,409,949	22,320,832	1,930,875	75,550,336	5,242,317	169,153,995	13,703,657
1985	46,531,664	4,175,755	35,777,772	3,272,870	24,248,284	1,919,658	76,858,901	4,957,455	177,819,363	14,802,663
1986	52,039,603	4,321,185	36,314,077	3,303,989	29,019,420	2,195,289	84,042,491	5,110,542	183,416,621	14,325,738
1987	55,864,578	4,385,783	40,852,222	3,410,902	31,644,208	2,187,622	85,770,496	5,110,542	201,415,591	14,931,005
1988	60,159,330	4,737,925	43,812,598	3,728,667	36,161,540	2,557,794	87,803,141	5,136,446	214,131,504	14,922,221
1989	61,397,514	4,774,355	43,556,545	3,712,034	41,493,960	2,780,049	95,935,147	5,405,525	227,936,609	16,160,832
1990	62,362,391	4,905,213	44,525,460	3,888,248	46,393,848	3,179,591	96,365,722	5,517,037	242,383,166	16,671,963
1991	66,910,239	5,396,441	46,170,876	4,162,841	49,012,452	3,506,408	95,481,897	5,612,476	249,647,421	17,490,089
1992	64,978,177	5,254,381	48,389,848	4,574,287	51,225,344	3,816,907	94,905,197	5,809,975	257,575,464	18,678,166
1993	70,419,904	5,784,053	51,419,800	4,751,224	51,785,984	3,718,311	99,622,313	6,029,379	259,498,566	19,455,550
1994	72,628,340	6,036,156	52,441,408	4,923,671	56,105,165	3,943,019	100,854,176	6,192,417	273,248,001	20,282,967
1995	73,760,181	6,039,617	53,255,855	4,893,028	58,729,818	4,052,001	105,712,128	6,266,654	282,029,089	21,095,263
1996	76,935,435	6,233,273	56,731,703	4,821,719	63,739,741	4,060,786	112,228,160	5,623,225	291,457,982	21,251,300
1997	75,426,029	6,314,115	57,991,420	4,974,883	70,532,258	4,607,970	112,968,302	6,022,998	309,635,039	20,739,003
1998	79,049,242	6,624,174	58,738,947	5,070,990	77,557,423	5,101,162	119,310,492	6,350,121	316,918,009	21,919,966
1999	82,663,113	7,119,605	61,623,625	5,411,343	78,008,484	5,266,567	118,047,935	6,740,330	334,656,104	23,146,447
2000	82,726,767	7,325,820	66,753,182	6,012,919	84,999,341	5,994,845	125,849,768	7,298,309	340,343,157	24,537,845
2001	88,519,870	8,344,375	65,464,111	6,376,357	92,982,421	7,055,401	126,136,710	7,984,052	360,329,058	26,631,893
2002	94,460,229	9,565,888	65,221,814	6,861,715	95,028,551	7,887,707	127,708,904	8,589,799	373,103,112	29,760,185
2003	94,231,512	9,155,323	65,415,679	6,706,108	92,929,785	7,470,934	124,266,991	7,819,159	382,419,498	32,905,108
2004	94,941,293	9,250,770	70,386,420	7,076,181	94,456,491	7,237,815	129,641,594	8,023,212	379,843,967	31,151,524
2005	101,147,622	10,322,536	72,096,285	7,526,829	95,934,668	7,883,381	132,186,077	8,856,840	389,425,798	31,587,979
10 Yr Avg Ann'l Growth	3.71%	7.09%	3.54%	5.38%	6.33%	9.46%	2.50%	4.13%	3.77%	6.28%
20 Yr Avg Ann'l Growth	5.87%	7.36%	5.08%	6.50%	14.78%	15.53%	3.60%	3.93%	5.94%	7.07%
REVISED BUDGET										
2006	104,182,000	13,935,000	74,259,000	10,161,000	100,731,000	10,643,000	134,830,000	11,957,000	414,002,000	46,696,000
PROJECTED										
2007	107,307,000	14,353,000	76,115,000	10,415,000	104,257,000	11,016,000	137,527,000	12,196,000	425,206,000	47,980,000
2008	110,526,000	14,784,000	78,018,000	10,675,000	107,906,000	11,402,000	140,278,000	12,440,000	436,728,000	49,301,000
2009	113,842,000	15,228,000	79,968,000	10,942,000	111,683,000	11,801,000	143,084,000	12,689,000	448,577,000	50,660,000
2010	117,257,000	15,685,000	81,967,000	11,216,000	115,592,000	12,214,000	145,946,000	12,943,000	460,762,000	52,058,000
2011	120,775,000	16,156,000	84,016,000	11,496,000	119,638,000	12,641,000	148,865,000	13,202,000	473,294,000	53,495,000

## CITY OF NEWARK

CAPITAL IMPROVEMENTS PROGRAM 2007-2011  
ELECTRIC FUND

	PREVIOUSLY ALLOCATED FUNDS		DEPARTMENT REQUEST	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					
	PRIOR YEARS	2006 BUDGET		2007	2008	2009	2010	2011	TOTAL
E0701 New Lines & Services	\$38,946	\$150,000	\$125,000	\$125,000	\$125,000	\$100,000	\$100,000	\$100,000	\$550,000
E0702 New 12.47KV Aerial Line Extension	0	0	66,000	66,000	0	0	0	0	66,000
E0703 New Bucket Truck	0	0	0	0	0	187,000	0	0	187,000
E0704 Spill Prevention Plan	0	0	10,000	10,000	0	0	0	0	10,000
E0705 Power Quality Meter & Laptop	0	0	9,000	9,000	0	0	0	0	9,000
E0602 New Substation Transformer and Lines	676,274	90,000	277,000	277,000	0	0	0	0	277,000
E0603 Battery Operated Tools	0	20,000	0	0	0	0	0	0	0
E0503 Automatic Switching	11,300	250,000	0	0	340,000	0	0	0	340,000
E0402 12kV Changeover	60,476	0	0	0	0	0	0	0	0
E0005 Reinforce Underground Feeders	0	10,286	15,000	15,000	0	0	0	0	15,000
E9604 Capacitor Banks	15,167	0	0	0	0	0	0	0	0
E9103 138 kV Substation Unit-Kershaw	3,000,000	0	0	0	0	0	0	0	0
E8510 Transformer Maintenance (B.F.#6)	155,232	0	0	0	0	0	0	0	0
EEQSF Equipment Replacement Program	0	0	0	0	35,000	25,000	53,000	118,000	231,000
Total Electric	\$3,957,395	\$520,286	\$502,000	\$502,000	\$500,000	\$312,000	\$153,000	\$218,000	\$1,685,000
CURRENT RESOURCES	\$0	\$520,286	\$502,000	\$502,000	\$465,000	\$287,000	\$100,000	\$100,000	\$1,454,000
CAPITAL RESERVES	3,802,163	0	0	0	0	0	0	0	0
EQUIPMENT REPLACEMENT	0	0	0	0	35,000	25,000	53,000	118,000	231,000
BOND ISSUES	155,232	0	0	0	0	0	0	0	0
GRANTS	0	0	0	0	0	0	0	0	0
OTHER FINANCING SOURCES	0	0	0	0	0	0	0	0	0
	\$3,957,395	\$520,286	\$502,000	\$502,000	\$500,000	\$312,000	\$153,000	\$218,000	\$1,685,000

## **GOAL STATEMENT**

### **ELECTRIC DEPARTMENT**

Our goal is to maintain a safe, reliable and efficient system with a minimum of power outages and to keep up with increases in the City's electrical load. Any deficiencies found in the system will be corrected or reinforced.

Recently completed projects include construction of a new 12.47kV aerial line extension on Paper Mill Road, 12kV voltage changeover in Westfield, reinforcement of underground cables at South Well Field Substation, relocation of aerial lines from Gravenor Lane and a circuit breaker replacement at East Main Street Substation.

Projects underway include live front transformer replacements, 12.47kV changeovers on Elkton Road, a 12.47kV aerial line extension on Route 72, and 12kV changeovers on Cleveland Avenue.

Upcoming projects include a 12.47kV aerial line extension on Elkton Road, installation of a new transformer at Wyoming Road Substation, reinforcement of underground cables at the intersection of Rt. 72 and Chestnut Hill Road, construction of a 138kV substation addition and the installation of 34.5kV automated switches.

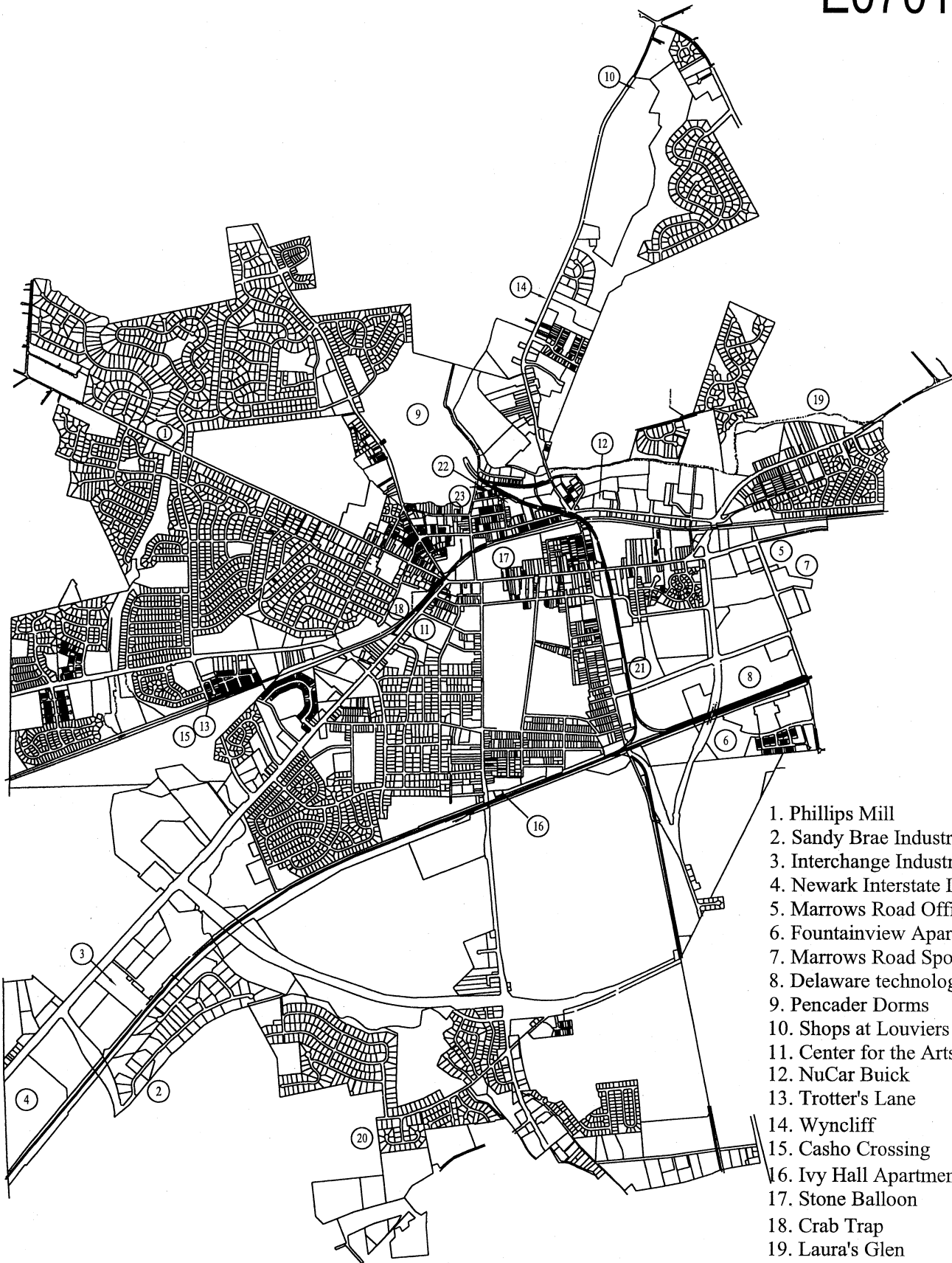
# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ELECTRIC		DIVISION:	
PROJECT NO: E0701	PROJECT TITLE: NEW LINES AND SERVICES		
PROJECT LOCATION: VARIOUS LOCATIONS IN CITY LIMITS			
PROJECT STATUS:	NEW: X	IN PREVIOUS PROGRAM:	IN PROGRESS:
DESCRIPTION: INSTALLATION OF ELECTRIC DISTRIBUTION LINES IN NEW DEVELOPMENTS; THIS INCLUDES BOTH OVERHEAD AND UNDERGROUND PRIMARY, SECONDARY AND SERVICE LINES.			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	CONT.	Prelim. Plans Complete	3/06
Est. Useful Life	30 YEARS	Survey Completed	3/06
Est. Total Cost	550,000	Detail Plans Completed	
First Year in Program	CONT.	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
ELECTRIC FUND	150,000	125,000	125,000	100,000	100,000	100,000	550,000
CAPITAL RESERVES	38,946						
TOTAL	188,946	125,000	125,000	100,000	100,000	100,000	550,000



1. Phillips Mill
2. Sandy Brae Industrial Park Phase II
3. Interchange Industrial Park Phase III
4. Newark Interstate Industrial Park
5. Marrows Road Office Building
6. Fountainview Apartments
7. Marrows Road Sports Complex
8. Delaware technology Park
9. Pencader Dorms
10. Shops at Louviers
11. Center for the Arts & Parking Garage
12. NuCar Buick
13. Trotter's Lane
14. Wynclyff
15. Casho Crossing
16. Ivy Hall Apartments
17. Stone Balloon
18. Crab Trap
19. Laura's Glen
20. Village of Chestnut Hill
21. Hollywoods
22. Stone Tree
23. North Street Commons

## Current Development Projects & Proposals

March 30, 2006

SUP - Special Use Permit  
 REZ - Rezoning  
 SUB - Subdivision  
 RSUB - Resubdivision  
 ANX - Annexation

DEVELOPMENT (REZ, SUB, SUB, RSUB, ANX)	UNITS/ TYPE	ACTION TAKEN	STATUS
Interstate Business Park (formerly McIntire) (Rsub) 12.67 AC (Anx) Census Tract #144.02	42.15 acres Industrial/Commer	Approved 3/24/95	1 CO
	12 Acres Parkland OFD zoning	5/27/92	
Paper Mill Road Shoppes at Louviers Census Tract 136.03	60,000 sq ft retail Shopping Center 9.35 +/- ac	Approved 3/27/00	10 CO's
Valley Road Briar Creek (Annexation, Rez) Census#144.04	11.56 ac 29 Single Family homes	Approved 10/22/01	15 CO's
416 Paper Mill Road Wyncliff (Maj Sub)	7.11 ac and 7.44 7 single-family homes 3 additional SF houses	Approved 6/23/03  1/9/06	  2 CO's
South College Avenue Ivy Hall Apartments addition REZ/MAJ SUB	.553 ac  6-unit apartment building	Approved 3/1/04	
Fountainview (Senior Housing) White Chapel Drive REZ/MAJ SUB/SUP	+/- 15.69 ac. 224 apartments 25 townhouse	Subdivision Apprvd 8/3/04	Underway

163, 171, 175, 179 S. Chapel Str. Pike Park (Delta Eta) SUB	1.126 ac. 3 ½ story, 12 unit apartment bldg.	Approved 2/24/05	
403 Capitol Trail Laura's Glen SUB	4.49 ac. 8 single-family homes	Under Review CC Approved 5/23/05	Underway
108 East Main Street Olde Town Apartments, (CVS) SUB	15 apartments	Litigation	
115 E. Main Street Waterstone (Stone Balloon) REZ, SUB, SUP	1.486 ac. 82 condominiums 5000 s.f. commercial, retail	Approved 8/22/05	
W. Chestnut Hill Road Village of Chestnut Hill ANX/SUB	19.1995 ac. 48-unit adult community, children's hospice	Under Review	
Elkton Road/Amstel Avenue Amstel Square REZ/SUB/SUP	60-seat restaurant 9800 s.f. retail, 22 upper floor apartments	CC Approved 2/27/06	
Elkton Road Villas at Twin Lakes ANX/SUB	18.4 ac 88 unit adult community garden apartment condos	Under Review	
Holly Woods 162 S. Chapel Street REZ/MAJ SUB	1.34 ac 15 townhouse aprts. or condos	Approved 12/12/05	
Sports Complex John F. Campbell Drive SUP	2.01 ac 17,400 commercial indoor recreation and warehousing	Approved 3/13/06	



Stonevale Possum Park Road/Cullen Way ANX/MAJ SUB	3.307 ac 13-unit adult community single family detached	Under Review	
206 West Park Place MINOR SUB	0.5309 ac 2 SF dwellings	Approved 9/12/05	
Cider Mill North Str./N. College Ave. REZ/MAJ SUB	1.102 ac 18 townhomes/apts.	Under Review	
North Street Commons North Str./Wilbur Str. REZ/MAJ SUB	0.599 ac 10 apartments	Under Review	
318 S. College Avenue REZ	1.695 fitness center/ offices	Approved 7/11/05	Underway
Phillips Mill (Village of Old Mill) Nottingham Road ANX/SUB/SUB	5.63 ac 17 unit adult community/condos/ single family	Approved 2/15/06	
Casho Crossing Casho Mill Road ANX/MAJ SUB/SUP	44.25 ac 82 unit townhouses	Under Review	
Home Depot USA Elkton Road REZ/MAJ SUB	38.5 ac home improvement store	Under Review	

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ELECTRIC		DIVISION:	
PROJECT NO: E0702	PROJECT TITLE: NEW 12.47KV AERIAL LINE EXTENSION		
PROJECT LOCATION: ELKTON ROAD			
PROJECT STATUS:	NEW: X	IN PREVIOUS PROGRAM:	IN PROGRESS:
DESCRIPTION: DUE TO LOAD INCREASES, A NEW 12.47KV AERIAL EXTENSION MUST BE BUILT TO BACKUP TRANSFORMERS AT FREMONT ROAD SUBSTATION AND WEST MAIN STREET SUBSTATION WITH A UNIT AT SANDY BRAE SUBSTATION.			

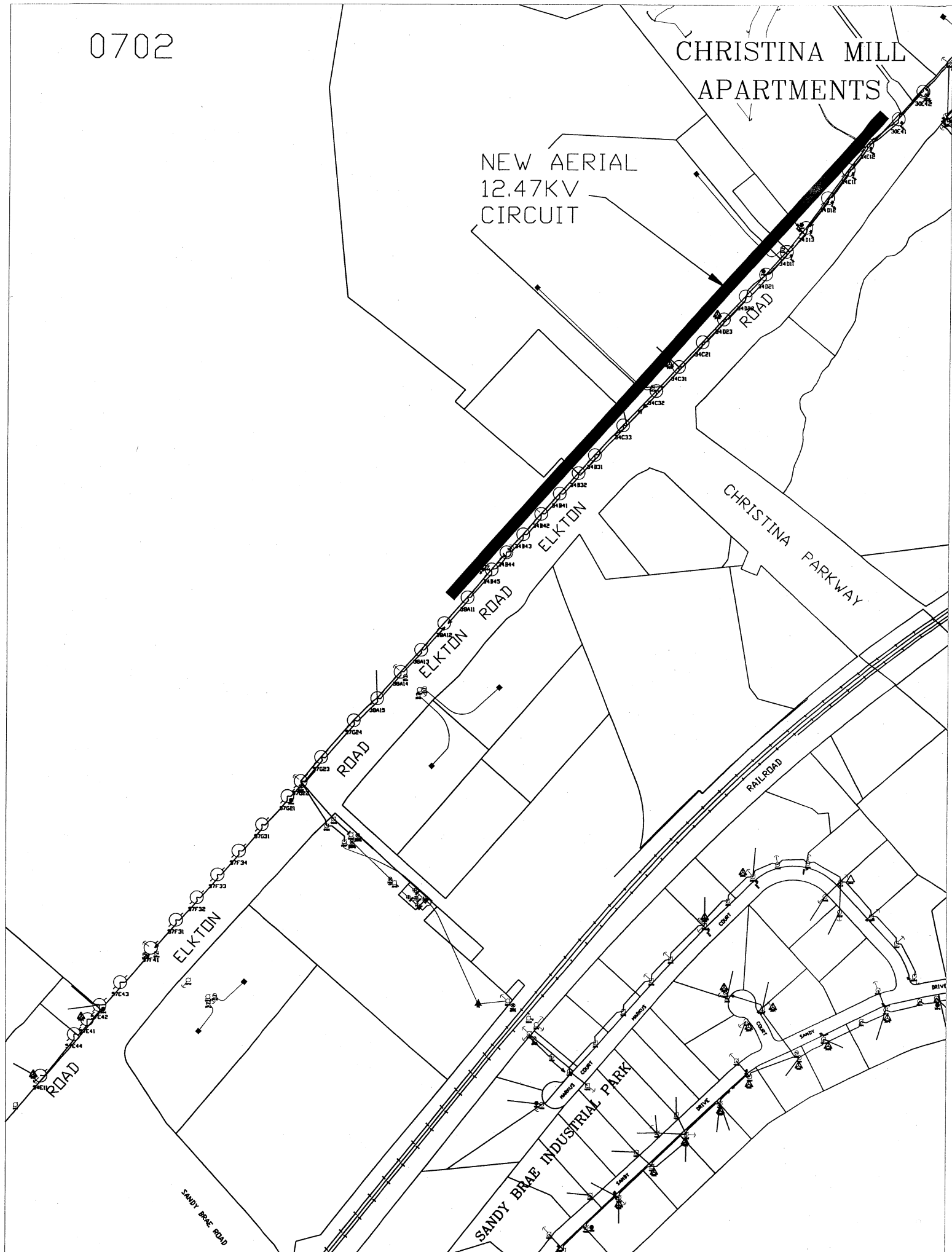
SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	2007	Prelim. Plans Complete	3/06
Est. Useful Life	30 YEARS	Survey Completed	
Est. Total Cost	66,000	Detail Plans Completed	
First Year in Program	2007	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
ELECTRIC FUND		66,000					66,000
TOTAL		66,000					66,000

0702

CHRISTINA MILL  
APARTMENTS

NEW AERIAL  
12.47KV  
CIRCUIT



# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ELECTRIC		DIVISION:	
PROJECT NO: E0703	PROJECT TITLE: NEW BUCKET TRUCK		
PROJECT LOCATION: VARIOUS			
PROJECT STATUS:	NEW: X	IN PREVIOUS PROGRAM:	IN PROGRESS:
DESCRIPTION: IN 2004 BUCKET TRUCK 124 WAS RETAINED AND THE BOOM WAS REFURBISHED. IN 2009 THE USEFUL LIFE OF THE BOOM WILL EXPIRE AND FUNDING IS REQUIRED TO REPLACE THE TRUCK.			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	2009	Prelim. Plans Complete	3/06
Est. Useful Life	10 YEARS	Survey Completed	
Est. Total Cost	187,000	Detail Plans Completed	
First Year in Program	2007	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
ELECTRIC FUND				187,000			187,000
TOTAL				187,000			187,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ELECTRIC	DIVISION:
PROJECT NO: E0704	PROJECT TITLE: SPILL PREVENTION PLAN

PROJECT LOCATION: EAST MAIN STREET SUBSTATION

PROJECT STATUS: NEW: X IN PREVIOUS PROGRAM: IN PROGRESS:

DESCRIPTION:

PER EPA REGULATIONS A SPILL PREVENTION PLAN MUST BE CREATED FOR EAST MAIN STREET SUBSTATION BY OCTOBER 2007, BECAUSE THE TOTAL AMOUNT OF OIL ONSITE IS GREATER THAN 10,000 GALLONS. THE SPILL PLAN MUST BE SEALED BY A PROFESSIONAL ENGINEER.

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	2007	Prelim. Plans Complete	3/06
Est. Useful Life	5 YEARS	Survey Completed	
Est. Total Cost		Detail Plans Completed	
First Year in Program	2007	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
ELECTRIC FUND		10,000					10,000
TOTAL		10,000					10,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ELECTRIC		DIVISION:	
PROJECT NO: E0705	PROJECT TITLE: POWER QUALITY METER AND LAPTOP		
PROJECT LOCATION: VARIOUS			
PROJECT STATUS:	NEW: X	IN PREVIOUS PROGRAM:	IN PROGRESS:
DESCRIPTION:			
<ol style="list-style-type: none"> <li>1. THE ELECTRIC DEPARTMENT POWER QUALITY METER IS THIRTEEN YEARS OLD AND HAS ALREADY EXPERIENCED ONE MAJOR FAILURE. FUNDS ARE REQUIRED FOR A REPLACEMENT IF THE UNIT FAILS AGAIN.</li> <li>2. THE ELECTRIC DEPARTMENT LAPTOP IS OVER FOUR YEARS OLD AND HAS STARTED TO EXPERIENCE PROBLEMS WITH KEYS NOT FUNCTIONING. FUNDS ARE REQUIRED FOR A REPLACEMENT.</li> </ol>			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:					
Est. Completion Date	2007	Prelim. Plans Complete	3/06				
Est. Useful Life	10 YEARS	Survey Completed					
Est. Total Cost	11,340	Detail Plans Completed					
First Year in Program	2007	Specifications Completed					
ESTIMATED OPERATING COST		Site Secured					
CLASSIFICATION	AMOUNT	Bids Received					
Personal Services		Contract Awarded					
Non-Pers. Services		Site Prepared					
Capital Outlay		Construction Started					
Total Oper. Cost		Construction Complete (%)					
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
ELECTRIC FUND		9,000					9,000
TOTAL		9,000					9,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ELECTRIC		DIVISION:	
PROJECT NO: E0602	PROJECT TITLE: NEW SUBSTATION TRANSFORMER AND LINES		
PROJECT LOCATION: WYOMING ROAD SUBSTATION, ROUTE 72 AND WYOMING ROAD			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM:	X IN PROGRESS:
DESCRIPTION: DUE TO LOAD INCREASES ON CHESTNUT HILL ROAD, BELLEUVE ROAD AND MARROW'S ROAD A NEW 10MVA UNIT SUBSTATION MUST BE INSTALLED AT THE EXISTING WYOMING ROAD SUBSTATION. (2007) NEW AERIAL 15KV CIRCUITS ON WYOMING ROAD AND ROUTE 72 MUST BE INSTALLED. (2006)			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	2007	Prelim. Plans Complete	3/05
Est. Useful Life	30 YEARS	Survey Completed	
Est. Total Cost		Detail Plans Completed	
First Year in Program	2006	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

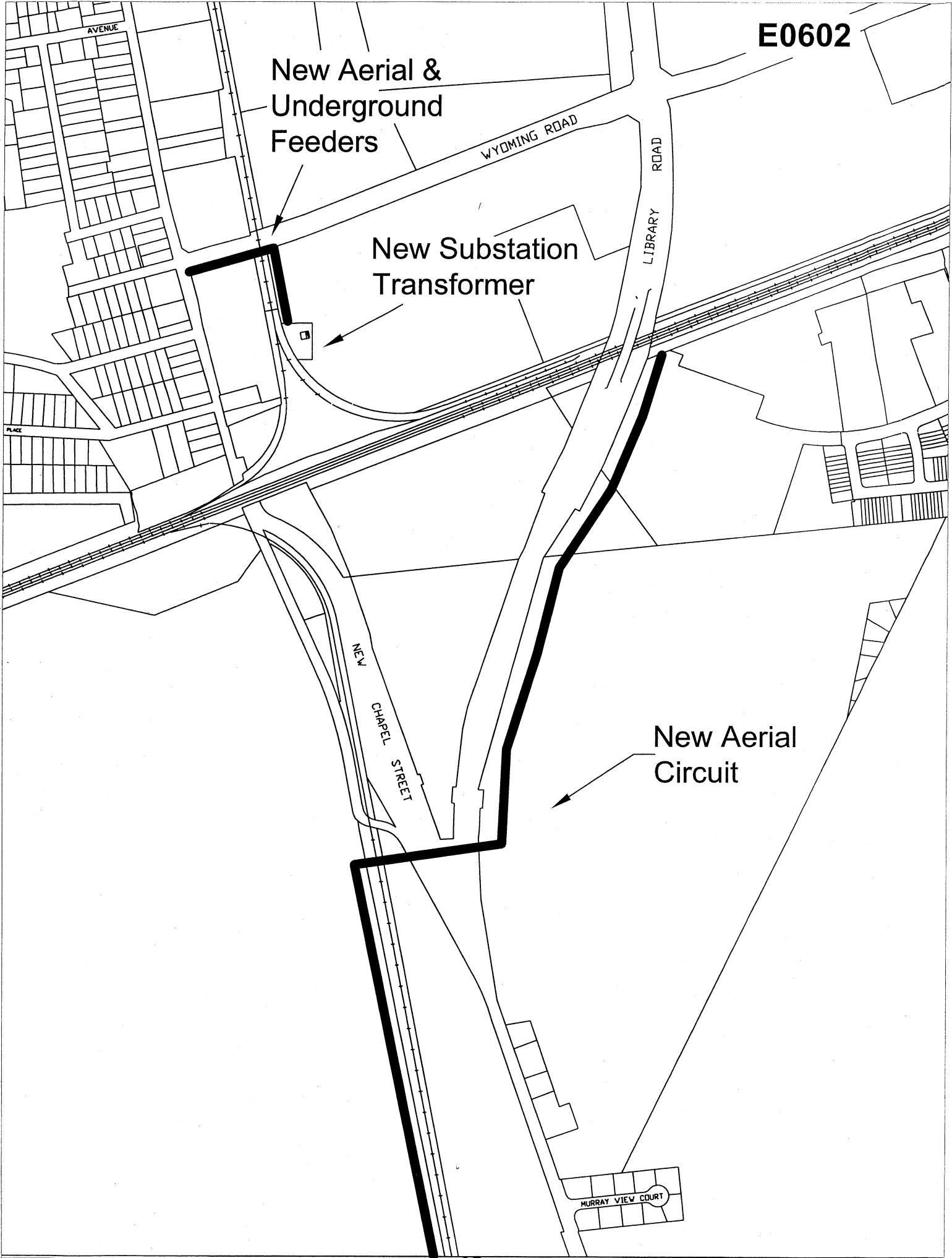
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
ELECTRIC FUND	90,000	277,000					277,000
CAPITAL RESERVES (E9103)	676,274						
TOTAL	766,274	277,000					277,000

E0602

New Aerial &  
Underground  
Feeders

New Substation  
Transformer

New Aerial  
Circuit





# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ELECTRIC	DIVISION:
PROJECT NO: E0603	PROJECT TITLE: BATTERY OPERATED TOOLS

PROJECT LOCATION:

PROJECT STATUS:            NEW:                    IN PREVIOUS PROGRAM:            X                    IN PROGRESS:

DESCRIPTION:

PURCHASE FIVE (5) BATTERY OPERATED CRIMP TOOLS TO INSTALL PRIMARY AND SECONDARY CRIMP CONNECTIONS. THESE TOOLS WILL ENSURE THE CONNECTORS ARE INSTALLED PROPERLY AND HELP PREVENT SHOULDER INJURIES TO LINEMAN.

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	4/06	Prelim. Plans Complete	3/05
Est. Useful Life	15 YEARS	Survey Completed	
Est. Total Cost	20,000	Detail Plans Completed	
First Year in Program	2006	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
ELECTRIC FUND	20,000						
TOTAL	20,000						

# CITY OF NEWARK, DELAWARE

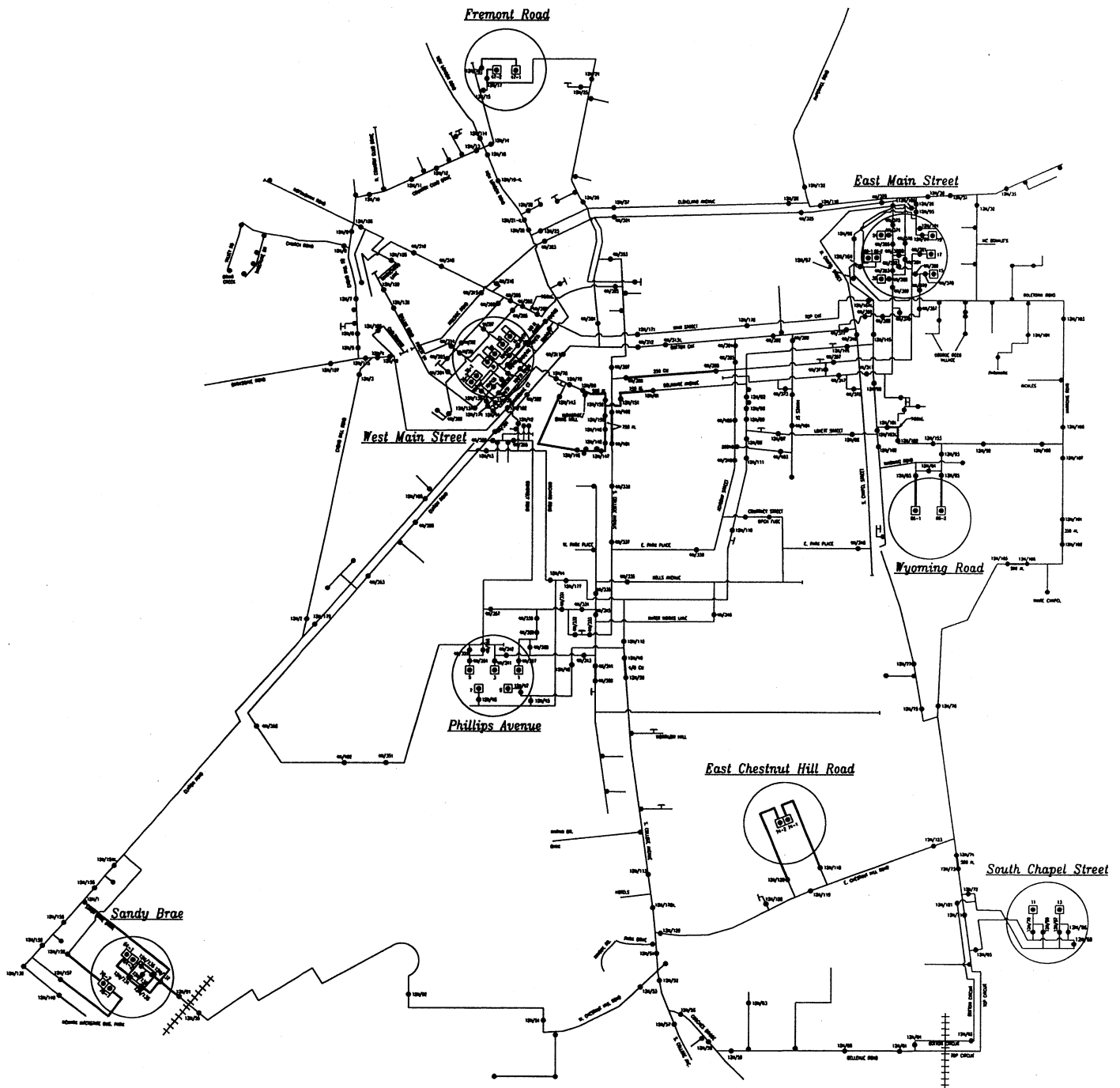
## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ELECTRIC		DIVISION:	
PROJECT NO: E0503	PROJECT TITLE: AUTOMATIC SWITCHING		
PROJECT LOCATION: VARIOUS			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM:	X IN PROGRESS:
DESCRIPTION: INSTALLATION OF AUTOMATIC SWITCHING EQUIPMENT ON THE 34.5KV SUBTRANSMISSION SYSTEM TO REDUCE OUTAGE TIMES.  THIS EQUIPMENT WILL ALLOW AUTOMATIC RECONFIGURATION OF 34.5KV CIRCUITS AFTER A FAULT AND ALLOW THE SUBSTATION TRANSFORMERS FED BY THE CIRCUIT TO CONTINUE TO SUPPLY CUSTOMERS. THE COMPUTERIZED SWITCHES WILL SWITCH THE SUBSTATION TO ANOTHER CIRCUIT AND ISOLATE THE CIRCUIT WITH THE FAULT. POWER WILL BE RESTORED WITHIN A MINUTE TO CUSTOMERS.  2005 - SITE SURVEY FOR COMMUNICATIONS 2006 - CHESTNUT HILL ROAD AND SOUTH CHAPEL SUBSTATIONS 2007 - WEST MAIN, FREMONT ROAD, PHILLIPS AND SANDY BRAE SUBSTATIONS 2008 - EAST MAIN AND WYOMING ROAD SUBSTATIONS			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	2008	Prelim. Plans Complete	3/04
Est. Useful Life	20 YEARS	Survey Completed	
Est. Total Cost	602,000	Detail Plans Completed	
First Year in Program	2005	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services	1,000	Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost	1,000	Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
ELECTRIC FUND	250,000		340,000				340,000
CAPITAL RESERVES	11,300						
TOTAL	261,300		340,000				340,000

City of Newark  
Primary Distribution



# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ELECTRIC		DIVISION:	
PROJECT NO: E0402	PROJECT TITLE: 12KV CHANGEOVER		
PROJECT LOCATION: VARIOUS			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM:	X
IN PROGRESS:			
DESCRIPTION:			
<p>UPGRADE THE FOLLOWING LOCATIONS TO 12KV:</p> <p>WESTFIELD, NEWARK CAR WASH, NEWARK DODGE, FRIENDLY'S, PAT'S PIZZERIA, KENNARD DRIVE, CORBIT STREET, POLE LINES ALONG PARKING LOTS #3 AND #4, MARTIN OLDS, MARTIN MAZDA AND NEWARK JEEP EAGLE.</p> <p>IT IS NECESSARY TO RELIEVE TRANSFORMERS 3 AND 5 AT PHILLIPS AVENUE SUBSTATION AND TRANSFORMER 43 AT WEST MAIN STREET SUBSTATION TO ALLOW FOR BACKUP CAPACITY DURING EMERGENCIES OR MAINTENANCE. BY UPGRADING TO 12KV, THE PURCHASE OF 4KV POWER TRANSFORMERS WILL BE AVOIDED.</p>			

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date Est. Useful Life Est. Total Cost First Year in Program	2005	Prelim. Plans Complete	3/03				
	40 YEARS	Survey Completed	3/03				
	75,000	Detail Plans Completed	3/03				
	2004	Specifications Completed					
ESTIMATED OPERATING COST		Site Secured					
CLASSIFICATION	AMOUNT	Bids Received					
Personal Services		Contract Awarded					
Non-Pers. Services		Site Prepared					
Capital Outlay		Construction Started					
Total Oper. Cost		Construction Complete (%)					
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
CAPITAL RESERVES	60,476						
TOTAL	60,476						

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ELECTRIC	DIVISION:
PROJECT NO: E0005	PROJECT TITLE: REINFORCE UNDERGROUND FEEDERS

PROJECT LOCATION: SOUTH CHAPEL STREET SUBSTATION

PROJECT STATUS: NEW: IN PREVIOUS PROGRAM: X IN PROGRESS:

**DESCRIPTION:**

DUE TO LOAD INCREASES AND TO IMPROVE RELIABILITY, ADDITIONAL 15KV UNDERGROUND CABLE MUST BE INSTALLED UNDER THE ROADWAY AT THE INTERSECTION OF CHESTNUT HILL ROAD AND ROUTE 72.

SUMMARY OF PROJECT DATA				PROGRESS SCHEDULE:			
Est. Completion Date	2007	Prelim. Plans Complete	3/06				
Est. Useful Life	30 YEARS	Survey Completed					
Est. Total Cost	25,000	Detail Plans Completed					
First Year in Program	2000	Specifications Completed					
ESTIMATED OPERATING COST		Site Secured					
CLASSIFICATION	AMOUNT	Bids Received					
Personal Services		Contract Awarded					
Non-Pers. Services		Site Prepared					
Capital Outlay		Construction Started					
Total Oper. Cost		Construction Complete (%)					
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
ELECTRIC FUND	10,286	15,000					15,000
TOTAL	10,286	15,000					15,000

E0005

EAST CHESTNUT  
HILL RD.

Rt. 72

NEW  
UNDERGROUND  
CABLE

41D14

41D13

41D12

41D23

41D22

41D21

41D31

41C24

41C23

41C21

41C12

41C13

41D15

41D16

41D11

41C23

41C22

41C21

41C24

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ELECTRIC	DIVISION:
PROJECT NO: E9604	PROJECT TITLE: CAPACITOR BANKS

PROJECT LOCATION: VARIOUS LOCATIONS IN CITY LIMITS

PROJECT STATUS: NEW: IN PREVIOUS PROGRAM: X IN PROGRESS:

DESCRIPTION:

PURCHASE AND INSTALLATION OF 34.5KV, 12.47KV AND 4.16KV CAPACITOR BANKS. AS OVERHEAD ELECTRICAL LINES ARE EXTENDED AND INDUCTIVE TYPE LOADS ARE ADDED TO THE SYSTEM, POWER FACTOR CORRECTION EQUIPMENT IS NEEDED TO MAINTAIN A HIGH OPERATING EFFICIENCY AND REDUCE PURCHASE POWER COSTS RESULTING IN SUBSTANTIAL SAVINGS. SWITCHING CAPACITOR BANKS MUST NOW BE INSTALLED AS FIXED CAPACITOR BANKS ARE NOT NEEDED WITH PRESENT LOADS.

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	CONT.	Prelim. Plans Complete	3/02
Est. Useful Life	20 YEARS	Survey Completed	
Est. Total Cost		Detail Plans Completed	
First Year in Program	1981	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
ELECTRIC FUND							
CAPITAL RESERVES	15,167						
TOTAL	15,167						

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ELECTRIC	DIVISION:
PROJECT NO: E9103	PROJECT TITLE: 138KV SUBSTATION UNIT

PROJECT LOCATION: KERSHAW SUBSTATION

PROJECT STATUS: NEW: IN PREVIOUS PROGRAM: X IN PROGRESS:

**DESCRIPTION:**

WITH THE COMPLETION OF THE DEMEC GENERATOR PROJECT, CAPITAL RESERVES THAT WERE DESIGNATED FOR GENERATION HAVE BEEN REALLOCATED FOR THE NEW SUBSTATION.

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date Est. Useful Life Est. Total Cost First Year in Program	2005		Prelim. Plans Complete				3/90
	40 YEARS		Survey Completed				3/90
	2,800,000		Detail Plans Completed				
	1991		Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services			Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost			Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
CAPITAL RESERVES	3,000,000						
TOTAL	3,000,000						



CITY OF NEWARK, DELAWARE  
Electric Department

April 6, 2006

TO: Carl Luft, City Manager  
FROM: Rick Vitelli, Director *RV*  
SUBJ: Capital Project E91-3, New 138kV Substation

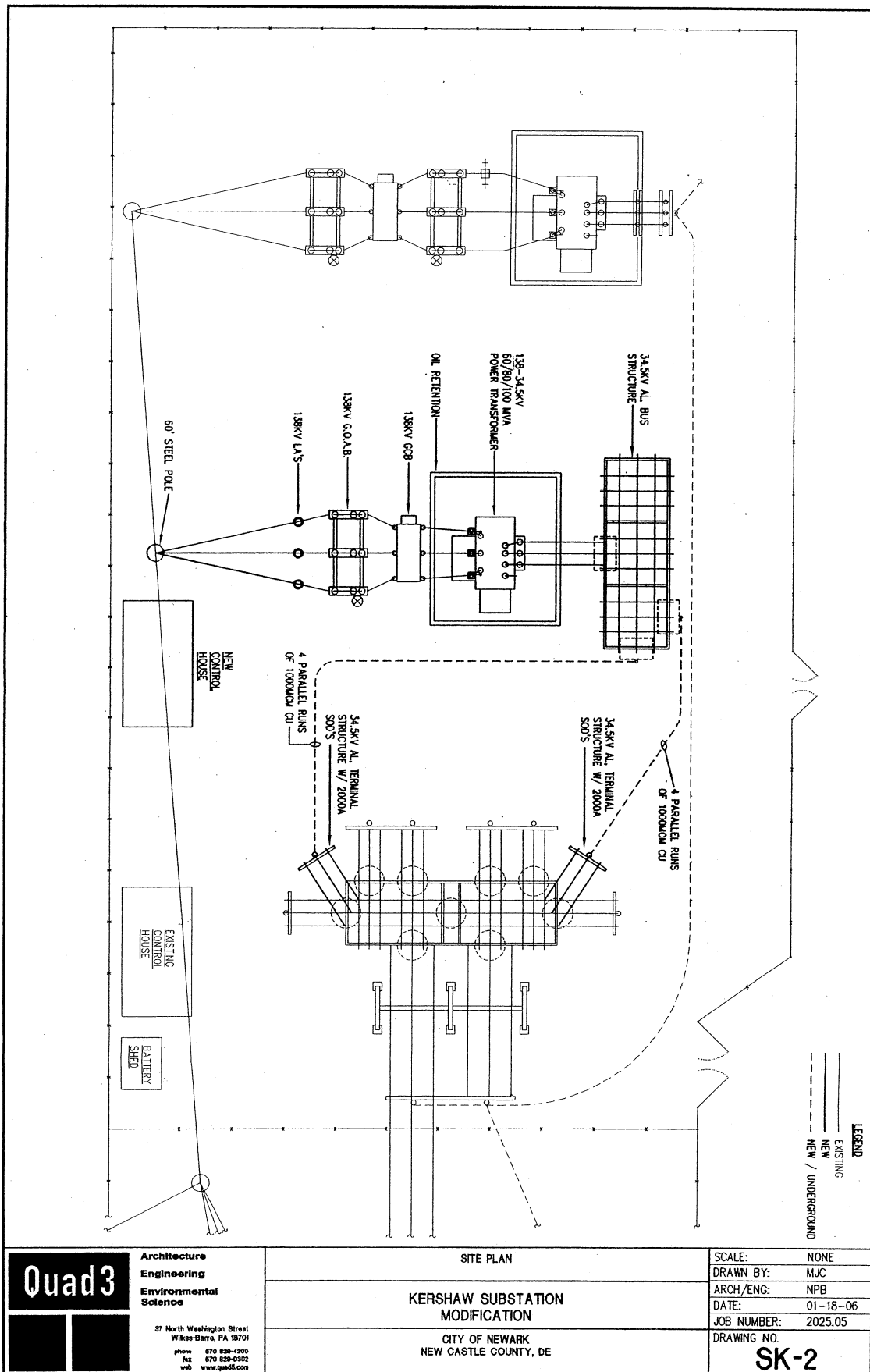
In 2002, \$3,700,000 was budgeted for a new substation to be constructed on the University Farm. Due to material cost increases and additional charges from Delmarva Power the new estimate is \$5,600,000.

As an alternative a cost estimate of \$2,800,000 has been received for the expansion of Kershaw Substation. The expansion will include the installation of a third 100MVA transformer, breakers, structures and associated equipment. The new equipment will fit in the existing site and provide backup capacity for the two existing 100MVA transformers on site. The design will allow for three additional outgoing 34.5kV feeders in the future. However, these feeders will be difficult to install when needed. With our anticipated load growth these additional feeders will not be needed until 2020.

This expansion in conjunction with the proposed 34.5kV automated switching project will ensure reliable service and I recommend we go forward with this project.

RV/cm

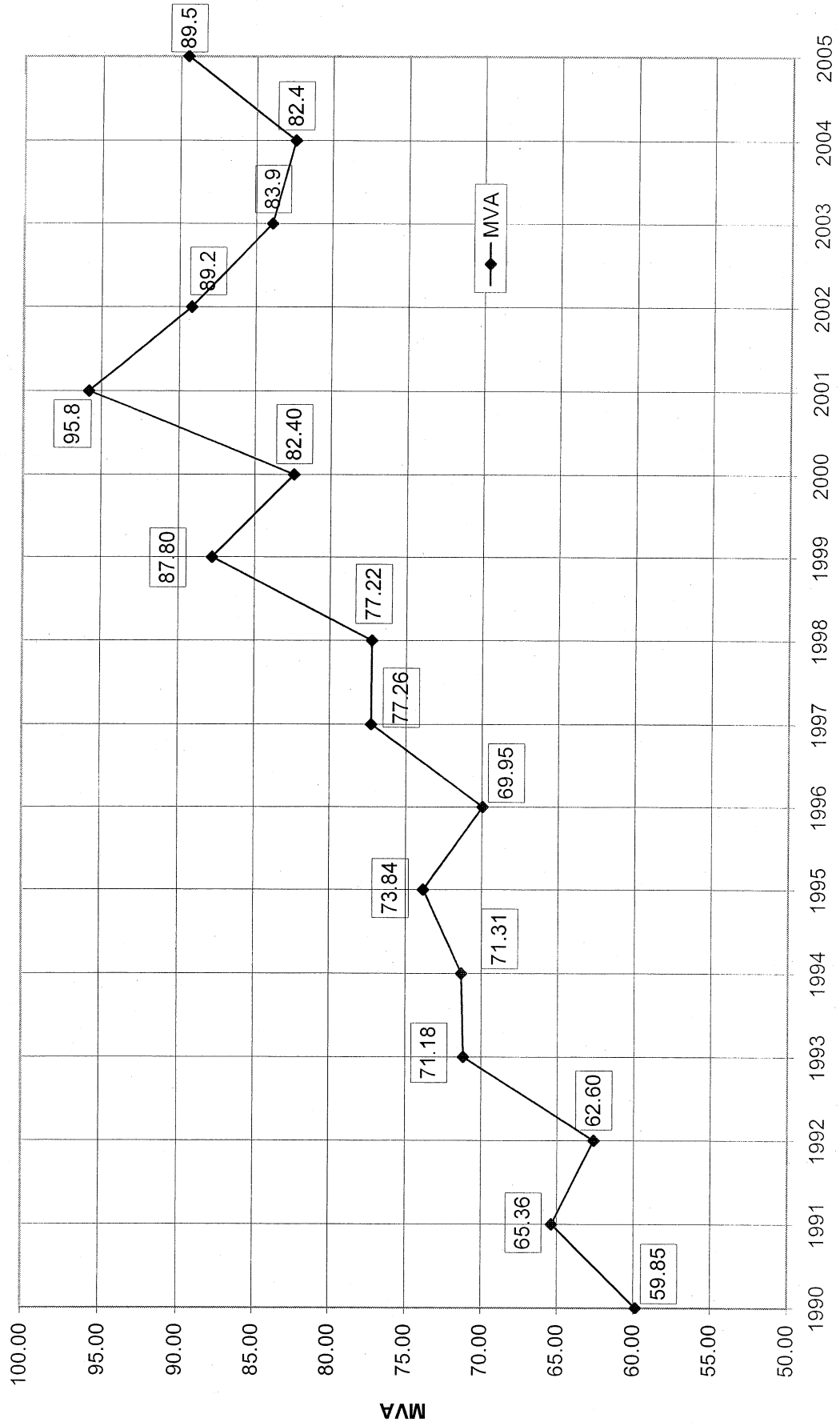
cc: George Sarris, Finance Director



ACTIVITY AND LOCATION		CONSTRUCTION CONTRACT NO.		DATE PREPARED		February-06		SHEET ENGR-1 OF 1	
City of Newark, Delaware								IDENTIFICATION NUMBER 8725.06	
PROJECT TITLE		ESTIMATED BY						CATEGORY CODE NUMBER	
Third Transformer Addition @ Kershaw Substation		QUAD THREE GROUP, INC.							
		STATUS OF DESIGN		PED		30'		100%	
								FINAL	
								OTHER Preliminary	
ITEM DESCRIPTION		QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
		NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
<b>City of Newark Supplied &amp; Installed Equipment:</b>									
138KV Switch and Switch Structure		1	Ea	\$40,000.00	\$40,000.00			\$40,000.00	\$40,000.00
138KV Bus, Wire & Connectors		1	Lot	\$7,500.00	\$7,500.00			\$7,500.00	\$7,500.00
138KV Lightning Arresters & Pedestal Structures		3	Ea	\$7,500.00	\$22,500.00			\$7,500.00	\$22,500.00
138KV Circuit Breaker		1	Ea	\$165,000.00	\$165,000.00			\$165,000.00	\$165,000.00
60/80/100MVA Power Transformer		1	Ea	\$900,000.00	\$900,000.00			\$900,000.00	\$900,000.00
34.5KV Structure w/Insulators & Switches (6 Cir. Cap.)		1	Lot	\$135,000.00	\$135,000.00			\$135,000.00	\$135,000.00
34.5KV Bus, Wire & Connectors		1	Lot	\$65,000.00	\$65,000.00			\$65,000.00	\$65,000.00
34.5KV Circuit Breakers		3	Ea	\$35,000.00	\$105,000.00			\$35,000.00	\$105,000.00
Ground Grid		1	Lot	\$15,000.00	\$15,000.00			\$15,000.00	\$15,000.00
Relays, Metering, Control & Panelboards		1	Lot	\$250,000.00	\$250,000.00			\$250,000.00	\$250,000.00
DC System		1	Lot	\$30,000.00	\$30,000.00			\$30,000.00	\$30,000.00
34.5KV Bus Modifications & Terminal Structures		1	Lot	\$25,000.00	\$25,000.00			\$25,000.00	\$25,000.00
34.5KV Undergrd. Wire Bus Extensions - 4 Parallel Runs		1	Lot	\$50,000.00	\$50,000.00			\$50,000.00	\$50,000.00
Contractor Mobilization & Bonding		1	LS			\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00
Site Work & Foundations		1	LS			\$125,000.00	\$125,000.00	\$125,000.00	\$125,000.00
Control House w/ Equipment		1	LS			\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00
Structure Installation		1	LS			\$250,000.00	\$250,000.00	\$250,000.00	\$250,000.00
Control Wiring		1	LS			\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00
Miscellaneous		1	LS	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$100,000.00	\$100,000.00
<b>Sub-Total: Newark Supplied &amp; Installed Equipment</b>					<b>\$1,860,000.00</b>		<b>\$610,000.00</b>		<b>\$2,470,000.00</b>
<b>Engineering &amp; Design Costs:</b>									
Substation & Line Design		1	LS			\$125,000	\$125,000	\$125,000	\$125,000
Construction Management		1	LS			\$50,000	\$50,000	\$50,000	\$50,000
Substation Commissioning		1	LS			\$25,000	\$25,000	\$25,000	\$25,000
<b>Sub-Total Engineering &amp; Design Costs:</b>							<b>\$200,000</b>		<b>\$200,000</b>
<b>Delmarva Costs</b>									
					102,000				102,000
<b>PROJECT TOTALS</b>					<b>1,962,000</b>		<b>\$810,000.00</b>		<b>2,772,000</b>



**City of Newark Peak Demand  
1990-2005**



E9103

CITY OF NEWARK - ACTUAL AND PROJECTED LOAD		
	ACTUAL MVA	PROJECTED MVA
1997	77.2	
1998	72.2	
1999	87.8	
2000	82.4	
2001	95.8	
2002	89.2	
2003	83.9	
2004	82.4	
2005	89.5	
2006		93.4
2007		96.0
2008		98.6
2009		101.1
2010		103.7
2011		106.3
2012		108.9
2013		111.4

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ELECTRIC		DIVISION:	
PROJECT NO: E8510	PROJECT TITLE: TRANSFORMER MAINTENANCE		
PROJECT LOCATION: VARIOUS LOCATIONS IN CITY LIMITS			
PROJECT STATUS: NEW:		IN PREVIOUS PROGRAM: X	
IN PROGRESS:			
DESCRIPTION: ONGOING TESTING AND DISPOSAL OF PCB CONTAMINATED POLE MOUNTED TRANSFORMERS TO COMPLY WITH EPA REGULATIONS.			

SUMMARY OF PROJECT DATA				PROGRESS SCHEDULE:			
Est. Completion Date	CONT.			Prelim. Plans Complete		3/95	
Est. Useful Life				Survey Completed		3/95	
Est. Total Cost	157,426			Detail Plans Completed			
First Year in Program	1985			Specifications Completed			
ESTIMATED OPERATING COST				Site Secured			
CLASSIFICATION	AMOUNT			Bids Received			
Personal Services				Contract Awarded			
Non-Pers. Services				Site Prepared			
Capital Outlay				Construction Started			
Total Oper. Cost				Construction Complete (%)			
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
ELECTRIC FUND							
BOND FUND #6	155,232						
TOTAL	155,232						

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ELECTRIC		DIVISION:	
PROJECT NO: EEQSF	PROJECT TITLE: EQUIPMENT REPLACEMENT PROGRAM		
PROJECT LOCATION:			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM:	X IN PROGRESS:
DESCRIPTION: PLANNED ADVANCE FUNDING ACCUMULATED THROUGH DEPRECIATION TO REPLACE ESSENTIAL EQUIPMENT WHEN NECESSARY. SEE ATTACHED SCHEDULE.			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:					
Est. Completion Date	ONGOING	Prelim. Plans Complete					
Est. Useful Life		Survey Completed					
Est. Total Cost		Detail Plans Completed					
First Year in Program		Specifications Completed					
ESTIMATED OPERATING COST		Site Secured					
CLASSIFICATION	AMOUNT	Bids Received					
Personal Services		Contract Awarded					
Non-Pers. Services		Site Prepared					
Capital Outlay		Construction Started					
Total Oper. Cost		Construction Complete (%)					
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND			35,000	25,000	53,000	118,000	231,000
TOTAL			35,000	25,000	53,000	118,000	231,000

**CITY OF NEWARK, DELAWARE**  
**EQUIPMENT REPLACEMENT PROGRAM SCHEDULE 2007-2011**  
**ELECTRIC UTILITY**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 4/30/2005	EST MILEAGE AT REPL	NORMAL YEARS LIFE	EST YR TO BE REPL	REPLACEMENT COSTS				
								2007	2008	2009	2010	2011
STAFF CARS												
125	1998 Ford Taurus	03/27/98	14,150	30,441	50,000	10	2008		15,000			
103	2001 Jeep Cherokee	02/09/01	18,814	36,855	75,000	9	2010				21,000	
119	2000 Chrysler Cirrus	04/07/00	12,240	24,764	50,000	10	2010				13,000	
LINE TRUCKS												
101	2005 Int'l 4300 Aerial Lift Truck	10/01/04	115,499	5,871	75,000	10	2014					
104	2004 Int'l 7400 Digger/Derrick	11/07/03	148,932	8,981	75,000	10	2013					
105	1994 GMC Digger/Derrick (c)	03/15/94	106,184	63,049	75,000	11	2006					
122	2004 Int'l Aerial Lift Truck	09/12/03	123,982	11,912	75,000	10	2013					
124	1993 GMC Aerial Lift Truck (a)	09/16/93	93,462	86,649	75,000	-	N/A					
126	1998 Ford F-250 Pickup	03/20/98	18,812	74,210	72,000	10	2008		20,000			
130	2002 Intern'l 4700 Bucket Truck	11/09/01	98,712	21,052	75,000	10	2011					118,000
147	2002 Intern'l 4700 Bucket Truck	08/30/02	98,712	26,692	75,000	10	2012					
100	1986 GMC-Underground Service (b)	07/03/86	39,784	--	--	--	N/A					
PICK-UPS & VANS												
129	2001 Dodge Ram Van	03/09/01	17,114	21,219	50,000	9	2010				19,000	
132	1999 Dodge Ram F35	07/16/99	24,989	32,218	85,000	10	2009			25,000		
145	2002 Dodge Ram Pickup	05/31/02	21,337	18,107	65,000	10	2012					
								\$0	\$35,000	\$25,000	\$53,000	\$118,000

- (a) Kept as backup in 2003. Will not be replaced.  
(b) Frame purchased in 1998 costing \$7,482.  
(c) To be replaced in 2006

Note: Replacement costs may reflect a 20% increase over purchase price.



CITY OF NEWARK  
CAPITAL IMPROVEMENTS PROGRAM 2007-2011  
WATER FUND

	PREVIOUSLY		DEPARTMENT REQUEST	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM					
	ALLOCATED FUNDS			RECOMMENDED FUNDING					
	PRIOR YEARS	2006 BUDGET		2007	2008	2009	2010	2011	TOTAL
W0701	Water Service To New Customers	\$45,628	\$25,000	\$0	\$25,000	\$25,000	\$25,000	\$25,000	\$100,000
W0503	Well Restoration	5,415	20,000	20,000	20,000	20,000	20,000	20,000	100,000
W0402	Fire Hydrant Replacements	20,000	0	0	10,000	10,000	10,000	10,000	40,000
W0403	Curtis Water Tank Distribution Piping	0	0	0	90,000	0	0	0	90,000
W0002	Alternative Disinfection	400,000	0	0	0	0	0	0	0
W9703	Leak Detection Program	2,531	0	0	15,000	0	0	0	15,000
W9410	Water Plant Lagoon Dredging	122,800	0	0	0	0	0	0	0
W9302	Telemetry	21,294	25,000	25,000	25,000	25,000	25,000	25,000	125,000
W9304	Water Treatment Plant Expansion (B.F.#6)	200,000	0	0	0	0	0	0	0
W9306	Water Conservation Program	20,000	0	0	0	0	0	0	0
W9308	Water Main Renovation Program	0	59,873	0	200,000	70,000	0	0	270,000
W8605	Water Tank Maintenance	134,127	0	0	186,000	0	0	0	186,000
W8009	Water Stations Renovations	85,138	0	0	0	0	0	0	0
WEQSF	Equipment Replacement Program	0	0	0	114,000	94,000	36,000	63,000	307,000
	Total Water	\$1,056,933	\$129,873	\$45,000	\$685,000	\$244,000	\$116,000	\$143,000	\$1,233,000
	CURRENT RESOURCES	\$0	\$124,873	\$45,000	\$566,000	\$145,000	\$75,000	\$75,000	\$906,000
	CAPITAL RESERVES	856,933	0	0	0	0	0	0	0
	EQUIPMENT REPLACEMENT	0	0	0	114,000	94,000	36,000	63,000	307,000
	BOND ISSUES	200,000	0	0	0	0	0	0	0
	GRANTS	0	0	0	0	0	0	0	0
	OTHER FINANCING SOURCES	0	5,000	0	5,000	5,000	5,000	5,000	20,000
		\$1,056,933	\$129,873	\$45,000	\$685,000	\$244,000	\$116,000	\$143,000	\$1,233,000

## **GOAL STATEMENT**

### **WATER AND WASTE WATER DEPARTMENT**

#### **SHORT RANGE GOALS – 2007**

1. Continue to operate the Curtis Water Treatment Plant on Paper Mill Road as efficiently as possible.
2. Continue to operate the South Well Field Iron and Manganese Removal Plant as efficiently as possible.
3. Continue implementation of recommendations from the Newark Water Supply Plan.
4. Continue plans to establish centralized information collection and display at the Curtis Treatment Plant.
5. The addition of two new filters and upgrades to the Curtis Plant operating system to continue.
6. Using knowledge gained from previous year to improve operation to most effectively operate the Reservoir. Look ahead and coordinate long-range activities that may develop.

#### **LONG RANGE GOALS – 2008-2011**

1. Optimize water supply sources and aquifer recharge possibilities.
2. Complete implementation of recommendations from the Newark Water Supply Plan.
3. Continue with plans to establish a radio SCADA System with centralized information collection and display at the Curtis Treatment Plant. This system will establish communications and data gathering files between stations, wells, plants and sanitary sewer lift stations.

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: WATER & WASTE WATER		DIVISION: WATER
PROJECT NO: W0701	PROJECT TITLE: WATER SERVICE TO NEW CUSTOMERS	
PROJECT LOCATION: VARIOUS		
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM: X
IN PROGRESS:		
DESCRIPTION: A. Installation of new water lateral services paid for customer on an actual cost basis. B. New water meters and remote readers for new customers. C. Replacement of old galvanized water laterals from main to customer's property line.		

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	Cont.	Prelim. Plans Complete	
Est. Useful Life	50 yrs.	Survey Completed	
Est. Total Cost	150,000	Detail Plans Completed	
First Year in Program	Cont.	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost	-	Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
WATER FUND	20,000		20,000	20,000	20,000	20,000	80,000
CAPITAL RESERVES	45,628						
ASSESSMENT	5,000		5,000	5,000	5,000	5,000	20,000
TOTAL	70,628		25,000	25,000	25,000	25,000	100,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: WATER & WASTE WATER		DIVISION: WATER
PROJECT NO: W0503	PROJECT TITLE: WELL RESTORATION	

PROJECT LOCATION:			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM:	IN PROGRESS:

DESCRIPTION:  
Restore redevelop Wells 16, 23, 15, 11, 13 as needed in anticipation of routine maintenance and rehabilitation.

Well	Last Rehabilitation	Planned Rehabilitation
#11	1999	2008
#12	2005	2013
#13	1999	2009
#14	2005	2014
#15	2006	2016
#16	2005	2015
#17	new 2005	2012
#19	2000	NOT IN USE
#20	2002	2010
#21	1995	2011
#23	1978	2007
#25	1978	NOT IN USE

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date		Prelim. Plans Complete	
Est. Useful Life		Survey Completed	
Est. Total Cost		Detail Plans Completed	
First Year in Program		Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost	-	Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
WATER FUND	20,000	20,000	20,000	20,000	20,000	20,000	100,000
CAPITAL RESERVES	5,415						-
							-
							-
TOTAL	25,415	20,000	20,000	20,000	20,000	20,000	100,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: WATER & WASTE WATER		DIVISION: WATER	
PROJECT NO: W0402	PROJECT TITLE: FIRE HYDRANT REPLACEMENTS		
PROJECT LOCATION:			
PROJECT STATUS:	NEW:	X	IN PREVIOUS PROGRAM:
IN PROGRESS:			
DESCRIPTION:			
<p>Replace old (1954-1970) 4 1/4" fire hydrants because they are difficult to disassemble and parts are getting difficult to find. The new 5 1/4" fire hydrant is standard in the industry, easier to repair and provides for a higher fire flow. The first ten hydrants are on Lehigh, Chrysler (4), Dallas, Wollaston, Cheltenham, Pennwood and Blue Jay. The cost to replace is \$2,000 each. As the oldest hydrants are replaced we will identify additional hydrants that are in need of replacement.</p>			

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date			Prelim. Plans Complete				
Est. Useful Life			Survey Completed				
Est. Total Cost			Detail Plans Completed				
First Year in Program			Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services			Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost		-	Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
WATER FUND			10,000	10,000	10,000	10,000	40,000
CAPITAL RESERVES	20,000						-
							-
							-
TOTAL	20,000		10,000	10,000	10,000	10,000	40,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: WATER & WASTE WATER		DIVISION: WATER	
PROJECT NO: W0403		PROJECT TITLE: CURTIS WATER TANK DISTRIBUTION PIPING	
PROJECT LOCATION: CURTIS WATER TANK (CONCRETE TANK)			
PROJECT STATUS:		NEW: X	IN PREVIOUS PROGRAM: IN PROGRESS:
DESCRIPTION:			
<p>Project involves the installation of a 16 inch inlet/outlet pipe on the floor of the tank to separate the inlet and outlet in the tank for wter quality improvement. Currently, the water enters and leaves the 170 foot diameter tank from one pipe. This lack of circulation creates dead zones that contribute to a degradation of water quality.</p>			

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date			Prelim. Plans Complete				
Est. Useful Life			Survey Completed				
Est. Total Cost			Detail Plans Completed				
First Year in Program			Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services			Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost	-		Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
WATER FUND			90,000				90,000
							-
							-
							-
TOTAL	-	-	90,000	-	-	-	90,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: WATER & WASTE WATER		DIVISION: WATER	
PROJECT NO: W0002	PROJECT TITLE: ALTERNATIVE DISINFECTION		
PROJECT LOCATION: NEWARK WATER TREATMENT FACILITY			
PROJECT STATUS:	NEW: X	IN PREVIOUS PROGRAM:	IN PROGRESS:
DESCRIPTION: Provide sodium hypochloride and/or ozonation equipment at the surface water plant to provide for disinfection. This treatment will provide a high level of water quality to meet expanding EPA guidelines and address upstream contamination events such as were experienced in 1998.			

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date Est. Useful Life Est. Total Cost First Year in Program	2006	Prelim. Plans Complete				May 06	
	30 yrs.	Survey Completed				June 06	
	450,000	Detail Plans Completed				July 06	
	2000	Specifications Completed				Sept 06	
ESTIMATED OPERATING COST		Site Secured					
CLASSIFICATION	AMOUNT	Bids Received				Oct. 06	
Personal Services		Contract Awarded				Nov. 06	
Non-Pers. Services		Site Prepared					
Capital Outlay		Construction Started				Dec. 06	
Total Oper. Cost		Construction Complete (%)				April 07	
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
WATER FUND							
CAPITAL RESERVES	400,000						
TOTAL	400,000						

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: WATER & WASTE WATER	DIVISION: WATER
PROJECT NO: W9703	PROJECT TITLE: LEAK DETECTION PROGRAM

PROJECT LOCATION: ENTIRE WATER SYSTEM

PROJECT STATUS:            NEW:            IN PREVIOUS PROGRAM:    X            IN PROGRESS:

**DESCRIPTION:**

Computerized leak detection for entire water system as required by DRBC every five years.

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date	2008		Prelim. Plans Complete				
Est. Useful Life	5 yrs.		Survey Completed				
Est. Total Cost	15,000		Detail Plans Completed				
First Year in Program	1992		Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services			Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost	-		Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
WATER FUND			15,000				15,000
CAPITAL RESERVES	2,531						
TOTAL	2,531		15,000				15,000



# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: WATER & WASTE WATER	DIVISION: WATER
PROJECT NO: W9410	PROJECT TITLE: WATER PLANT LAGOON DREDGING

PROJECT LOCATION:

PROJECT STATUS:            NEW:            IN PREVIOUS PROGRAM:    X            IN PROGRESS:

DESCRIPTION:  
Dredge the Curtis Mill Treatment Plant backwash water lagoon (2006).

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	Cont.	Prelim. Plans Complete	
Est. Useful Life		Survey Completed	
Est. Total Cost	160,000	Detail Plans Completed	
First Year in Program	1993	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost	-	Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
WATER FUND							
CAPITAL RESERVES	122,800						
TOTAL	122,800						

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: WATER & WASTE WATER		DIVISION: WATER
PROJECT NO: W9302	PROJECT TITLE: TELEMETERING	

PROJECT LOCATION: CITY WIDE

PROJECT STATUS:                  NEW:                  IN PREVIOUS PROGRAM:          X                  IN PROGRESS:

DESCRIPTION:  
As funds are available, implement first phase of SCADA project identified by the study conducted in 2006.

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date		Prelim. Plans Complete	
Est. Useful Life		Survey Completed	
Est. Total Cost	175,000	Detail Plans Completed	
First Year in Program	1993	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost	-	Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
WATER FUND	25,000	25,000	25,000	25,000	25,000	25,000	125,000
CAPITAL RESERVES (W8707)	21,294						
TOTAL	46,294	25,000	25,000	25,000	25,000	25,000	125,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: WATER & WASTE WATER		DIVISION: WATER	
PROJECT NO: W9304	PROJECT TITLE: WATER TREATMENT PLANT EXPANSION		
PROJECT LOCATION: PAPER MILL ROAD			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM: X	IN PROGRESS:
DESCRIPTION: Expand Newark Treatment Plant from 3 MGD to 5 MGD when needed. This would allow us to make better use of the expanded water supplies from the reservoir and provide for additional growth in the community			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	2003	Prelim. Plans Complete	
Est. Useful Life	30 yrs.	Survey Completed	
Est. Total Cost	200,000	Detail Plans Completed	
First Year in Program	2002	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost	-	Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
BOND FUND #6	200,000						
TOTAL	200,000						

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: WATER & WASTE WATER		DIVISION: WATER	
PROJECT NO: W9306	PROJECT TITLE: WATER CONSERVATION PROGRAM		
PROJECT LOCATION:			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM:	X IN PROGRESS:
DESCRIPTION: Develop and implement a water conservation program that includes distribution of devices and a public relations program.			

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date	2006		Prelim. Plans Complete				
Est. Useful Life	Ongoing		Survey Completed				
Est. Total Cost	25,000		Detail Plans Completed				
First Year in Program	1993		Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services			Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost	-		Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
WATER FUND							
CAPITAL RESERVE	20,000						
TOTAL	20,000						

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: WATER & WASTE WATER		DIVISION: WATER	
PROJECT NO: W9308		PROJECT TITLE: WATER MAIN RENOVATION PROGRAM	
PROJECT LOCATION: SEE ATTACHED LIST			
PROJECT STATUS:		NEW:	IN PREVIOUS PROGRAM: X
			IN PROGRESS:
DESCRIPTION: Project involves either replacing mains or cement lining the interior to minimize main breaks, reduce rusty water and improve fire flow.			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:					
Est. Completion Date	Cont.	Prelim. Plans Complete					
Est. Useful Life	Cont.	Survey Completed					
Est. Total Cost	1.160M	Detail Plans Completed					
First Year in Program	1993	Specifications Completed					
ESTIMATED OPERATING COST		Site Secured					
CLASSIFICATION	AMOUNT	Bids Received					
Personal Services		Contract Awarded					
Non-Pers. Services		Site Prepared					
Capital Outlay		Construction Started					
Total Oper. Cost	-	Construction Complete (%)					
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
WATER FUND	59,873	-	200,000	70,000			270,000
CAPITAL RESERVE	-						
BOND FUND #4							
TOTAL	59,873	-	200,000	70,000			270,000

**WATER MAIN RENOVATIONS**

KENT WAY	\$60,000	2007 REPLACE (INSTALL LARGER SIZE)
S. CHAPEL ST.	\$200,000	2008 CEMENT LINE (Main St to Lovett Ave)
FERNCLIFF DR.	\$70,000	2009 REPLACE (FREQUENT MAIN BREAKS)

<b>TOTAL COST THROUGH 2011</b>	<b>\$330,000</b>
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# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: WATER & WASTE WATER	DIVISION: WATER
PROJECT NO: W8605	PROJECT TITLE: WATER TANK MAINTENANCE

PROJECT LOCATION: VARIOUS

PROJECT STATUS: NEW: IN PREVIOUS PROGRAM: X IN PROGRESS:

DESCRIPTION:			LAST PAINTED		PROJECTED
			INSIDE	OUTSIDE	REPAINT
A.	SOUTH WELL FIELD ( 2 TANKS)	150,000	2003	2003	2018
B.	ARBOUR PARK TANK	175,000	2003	2003	2019
C.	MILFORD XRDS TANK	300,000	1990	1990	2008
D.	WINDY HILLS TANK	250,000	1997	1997	2012
E.	NEW LONDON RD TANK	250,000	1997	1997	2013
F.	PAPER MILL ROAD TANK	CONCRETE	-	-	
G.	DALLAM ROAD TANK	150,000	2003	2003	2020
H.	NOTTINGHAM RD TANK	130,000	2003	2003	2021

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date Est. Useful Life Est. Total Cost First Year in Program	Cont.		Prelim. Plans Complete				
	15 yrs.		Survey Completed				
	900,000		Detail Plans Completed				
	Cont.		Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services			Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost	-		Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
WATER FUND			186,000				186,000
CAPITAL RESERVES	134,127						
TOTAL	134,127		186,000				186,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: WATER & WASTE WATER		DIVISION: WATER	
PROJECT NO: W8009	PROJECT TITLE: WATER STATION RENOVATIONS		
PROJECT LOCATION: VARIOUS			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM:	X
IN PROGRESS:			
DESCRIPTION: Make improvements to water booster stations when needed.			
A. Carbon Building Construction @ Water Plant		25,000	
B. Academy Street Station		30,000	
C. Wells		20,000	
D. South Well Field Station		35,000	
E. Northwest Booster Pump Station		5,000	
F. Valve Stations		5,000	
G. Chestnut Hill Road Pump Station		5,000	
H. Paper Mill Pump Station		5,000	
I. Evergreen Pump Station		2,000	
J. Arbour Park Station		1,000	

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date		Prelim. Plans Complete	
Est. Useful Life	20 yrs.	Survey Completed	
Est. Total Cost	130,000	Detail Plans Completed	
First Year in Program	1980	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost	-	Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
WATER FUND							
CAPITAL RESERVES	85,138						
TOTAL	85,138						



# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: WATER & WASTE WATER		DIVISION: WATER	
PROJECT NO: W-EQSF	PROJECT TITLE: EQUIPMENT REPLACEMENT PROGRAM		
PROJECT LOCATION:			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM: X	IN PROGRESS:
DESCRIPTION: Planned advance funding accumulated through depreciation to replace essential equipment when necessary. See attached schedule.			
Sewer flushing truck complete 2005 Vehicle #218 replaced 2006			

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date			Prelim. Plans Complete				
Est. Useful Life			Survey Completed				
Est. Total Cost			Detail Plans Completed				
First Year in Program			Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services			Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost	-		Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
WATER FUND							
EQUIP. REPL. PROGRAM			114,000	94,000	36,000	63,000	307,000
TOTAL		-	114,000	94,000	36,000	63,000	307,000

CITY OF NEWARK  
CAPITAL IMPROVEMENTS PROGRAM 2007-2011  
SEWER FUND

	PREVIOUSLY		DEPARTMENT REQUEST	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					TOTAL
	ALLOCATED FUNDS PRIOR YEARS	2006 BUDGET		2007	2008	2009	2010	2011	
S0501 Sewer Pump Replacement	\$0	\$55,000	\$0	0	\$55,000	\$0	\$0	\$0	\$55,000
S8803 Sewer Rehabilitation	69,986	0	0	0	20,000	20,000	20,000	20,000	80,000
Total Sewer	\$69,986	\$55,000	\$0	\$0	\$75,000	\$20,000	\$20,000	\$20,000	\$135,000
CURRENT RESOURCES	\$0	\$55,000	\$0	\$0	\$75,000	\$20,000	\$20,000	\$20,000	\$135,000
CAPITAL RESERVES	69,986	0	0	0	0	0	0	0	0
EQUIPMENT REPLACEMENT	0	0	0	0	0	0	0	0	0
BOND ISSUES	0	0	0	0	0	0	0	0	0
GRANTS	0	0	0	0	0	0	0	0	0
OTHER FINANCING SOURCES	0	0	0	0	0	0	0	0	0
	\$69,986	\$55,000	\$0	\$0	\$75,000	\$20,000	\$20,000	\$20,000	\$135,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: WATER & WASTE WATER		DIVISION: WATER	
PROJECT NO: S0501	PROJECT TITLE: SEWER PUMP REPLACEMENT SILVERBROOK PUMP STATION		
PROJECT LOCATION: SILVERBROOK SEWER PUMP STATION			
PROJECT STATUS:	NEW:	X	IN PREVIOUS PROGRAM:
			IN PROGRESS:
DESCRIPTION: Remove and install (2) new submersible dry pit sewage pumps to replace existing pumps that are close to twenty years old. These "old pumps" are breaking down yearly and replacement pumps are not available unless custom made.			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	2009	Prelim. Plans Complete	
Est. Useful Life	20 yrs	Survey Completed	
Est. Total Cost	110,000	Detail Plans Completed	
First Year in Program	2005	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost	-	Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
SEWER FUND	55,000		55,000				55,000
							-
							-
							-
TOTAL	55,000	-	55,000	-	-	-	55,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: WATER & WASTE WATER	DIVISION: WATER
PROJECT NO: S8803	PROJECT TITLE: SEWER REHABILITATION

PROJECT LOCATION: VARIOUS

PROJECT STATUS:           NEW:                   IN PREVIOUS PROGRAM:       X                   IN PROGRESS:

**DESCRIPTION:**

Continue rehabilitation work started under EPA grant. Work will involve in-house studies and construction to remove the inflow sources; i.e., illegal drains and sealing of cracks in sewer mains to minimize infiltration of water.

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date		Prelim. Plans Complete	
Est. Useful Life	30 yrs.	Survey Completed	
Est. Total Cost	70,000	Detail Plans Completed	
First Year in Program	1988	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost	-	Construction Complete (%)	

### PLANNED FINANCING OF PROJECT

SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
SEWER FUND			20,000	20,000	20,000	20,000	80,000
CAPITAL RESERVES	69,986						
TOTAL	69,986		20,000	20,000	20,000	20,000	80,000

**CITY OF NEWARK, DELAWARE**  
**EQUIPMENT REPLACEMENT PROGRAM SCHEDULE 2007-2011**  
**WATER AND WASTE WATER UTILITY**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 4/30/2005	EST MILEAGE AT REPL	NORMAL YEARS LIFE	EST YR TO BE REPL	REPLACEMENT COSTS				
								2007	2008	2009	2010	2011
215	STAFF CARS 2001 Jeep Cherokee	02/09/01	18,814	25,011	54,000	9	2010				21,000	
202	LINE TRUCKS 1999 Int'l 4900 with Crew Cab	03/12/99	72,656	36,487	60,000	9	2008		75,000			
207	2005 Int'l Dump Truck	08/05/05	66,834	0	65,000	9	2014					
243	2006 Int'l Sewer Truck	10/17/05	146,156	0	83,000	7	2012					
PICK-UPS & VANS												
204	2002 Ford F350 Pickup	05/17/02	20,628	27,387	72,000	9	2011					24,000
206	1998 Dodge Ram C15 Pickup	03/20/98	13,336	62,778	72,000	9	2008		18,000			
211	2003 Chevrolet S-10 Pickup	05/23/03	16,088	15,410	80,000	8	2011					19,000
218	2006 Ford F-350 Pickup	02/22/06	20,425	n/a	120,000	6	2012					
241	2002 Dodge Ram Van	03/28/02	13,547	18,079	75,000	8	2010				15,000	
244	2003 Chevrolet Pickup	05/23/03	17,238	18,485	100,000	8	2011					20,000
245	2001 Dodge 2500 Van	05/18/01	17,114	29,130	80,000	8	2009			19,000		
299	2002 Ford F350 Pickup	05/17/02	20,628	37,858	100,000	6	2008		21,000			
OTHER EQUIPMENT												
220	2000 Case Loader/Backhoe	12/31/99	69,889	--	--	10	2009			75,000		
TOTAL WATER AND WASTE WATER UTILITY								\$0	\$114,000	\$94,000	\$36,000	\$63,000

Note: Replacement costs may reflect a 20% increase over purchase price.

CITY OF NEWARK  
CAPITAL IMPROVEMENTS PROGRAM 2007-2011  
PUBLIC WORKS DEPARTMENT-GENERAL FUND

	PREVIOUSLY ALLOCATED FUNDS		DEPARTMENT REQUEST	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					TOTAL
	PRIOR YEARS	2006 BUDGET		2007	2008	2009	2010	2011	
R0701	\$0	\$0	\$0	\$0	\$40,000	\$0	\$0	\$0	\$40,000
R0602	0	0	0	0	30,000	80,000	0	0	110,000
R0101	26,147	158,000	50,000	50,000	0	0	0	0	50,000
R9401	114,170	10,000	10,000	10,000	10,000	9,830	0	0	29,830
R8902	76,337	50,000	0	0	0	0	0	0	0
REQSF	0	0	0	0	596,000	35,000	309,000	508,000	1,448,000
H0701	14,590	15,000	0	0	15,000	15,000	15,000	15,000	60,000
H0702	0	60,824	85,000	85,000	115,000	50,000	80,000	80,000	410,000
H0703	137,782	257,000	300,000	300,000	300,000	300,000	300,000	300,000	1,500,000
H0704	36,120	0	0	0	0	15,000	15,000	15,000	45,000
H0705	0	0	27,500	27,500	0	0	0	0	27,500
H0505	0	120,000	0	0	0	0	0	0	0
H0206	0	0	0	0	130,000	0	0	0	130,000
H9604	61,190	0	0	0	10,000	10,000	10,000	10,000	40,000
H7804	96,185	0	0	0	75,000	60,000	50,000	55,000	240,000
HEQSF	0	0	0	0	314,000	114,000	77,000	272,000	777,000
T0701	0	0	30,000	30,000	0	0	0	0	30,000
T0201	15,000	0	0	0	17,000	0	0	0	17,000
T0101	7,020	40,000	0	0	50,000	50,000	50,000	50,000	200,000
T9801	106,261	0	20,000	20,000	20,000	20,000	20,000	20,000	100,000
TEQSF	0	0	0	0	17,000	24,000	36,000	18,000	95,000
	\$690,802	\$710,824	\$522,500	\$522,500	\$1,739,000	\$782,830	\$962,000	\$1,343,000	\$5,349,330
CURRENT RESOURCES									
CAPITAL RESERVES	\$0	\$595,624	\$522,500	\$522,500	\$812,000	\$609,830	\$540,000	\$545,000	\$3,029,330
EQUIPMENT REPLACEMENT	690,802	0	0	0	0	0	0	0	0
BOND ISSUES	0	0	0	0	927,000	173,000	422,000	798,000	2,320,000
GRANTS	0	0	0	0	0	0	0	0	0
OTHER FINANCING SOURCES	0	115,200	0	0	0	0	0	0	0
	\$690,802	\$710,824	\$522,500	\$522,500	\$1,739,000	\$782,830	\$962,000	\$1,343,000	\$5,349,330

## **GOAL STATEMENT**

### **PUBLIC WORKS DEPARTMENT**

The Public Works Department, in the area of Capital Improvement Programs, is primarily responsible for storm drainage systems, repair of streets, sidewalks, City buildings (with their related facilities), and trash collection and disposal.

#### **SHORT RANGE GOALS – 2007 TO 2011**

Included in this category is a storm drainage improvement program designed to improve the stormwater management on Apple Road.

Fully automated collection will be completely implemented next year (2007). These systems virtually eliminate the need for manual lifting, unsightly messes and missing lids. Additionally, back injuries are a very real concern for the refuse collection industry. OSHA (Occupational Safety and Health Administration) is currently developing work rules concerning ergonomics (long term health impacts caused by daily repetitive motion) on the refuse collection industry. Escalating steel prices have caused a substantial increase of equipment costs over that originally quoted. Escalating resin costs have also made a significant increase on the cart costs.

The City of Newark, per Federal mandate, has been listed as a City required to comply with the 1999 National Pollutant Discharge Elimination System (NPDES) Phase II Stormwater Quality Regulations. A program was submitted for approval to DNREC by December 2002 and implementation started in 2003. Capital projects associated with this program are included here. In conjunction with this program, in line piping quality measures and overhead protection for existing materials bins at the Maintenance Yard are scheduled. Money has also been budgeted for maintenance of existing stormwater facilities.

It is recommended that funds be accumulated for other unforeseen closure or Superfund costs associated with closed City landfill facilities. Three City landfills are on the State's HSCA (Hazardous Substance Clean-Up Act) List. We are currently in the final process of closing the University of Delaware Landfill and we have been contacted by DNREC to start voluntary clean up of the Newark Housing landfill. Costs associated with these clean-ups are not known yet but could be expensive depending on DNREC clean-up plan.

Due to poor base/drainage conditions, the municipal building parking lot is showing major signs of deterioration. Money has been budgeted for the replacement of the hot mix pavement along with the installation of an under drain system in 2007.

Public Works is recommending that some office improvements be completed to modernize our filing. Due to space requirements for hard copies of plans plus the existing plan photocopier being outdated, it is recommended that this copier be replaced with a unit capable of transcribing blueprints onto CD for compact storage. This has also been recommended in a Homeland Security Assessment Report on City Hall.

New ADA handicap ramp specifications have been implemented essentially leaving the City almost 100% noncompliant. It is recommended to increase the street and curb improvement budget by \$20,000 to include these upgrades for streets under contract.

### **LONG RANGE GOALS – 2008 TO 2010**

With the replacement of the old warehouse building with a new building at a different location, it is anticipated that the only remaining warehouse facility upgrades needed are the replacement of an old vehicle shed & providing roof coverage for material storage bins.

As part of our Transfer Station Permit, the City is required to show financial responsibility for closure of the transfer station. It is recommended that accumulative funding continue.

With the increased consciousness of stormwater run-off and its effect on flooding and erosion along the Christina Creek, it is recommended to continue the accumulative funding for maintenance and retrofit projects in this area of concern. A priority list has been established for projects. The City is currently working with the NCCD and NRCS to update the hydrological study for the Christina Creek with the intent of using this information to study the creek as a whole for improvements.

The Public Works Department, in 1995, initiated a Citywide sidewalk and curb repair inspection to assess current needs, establish a more regimented repair program and project required budget needs. The survey results indicate a need to budget these programs on an annual basis. This also applies to our street signage maintenance and anticipated costs are reflected in this budget on an annual program basis. In a continuing effort to catch up on a deteriorating infrastructure, it is recommended that catch basin repairs be issued on an annual basis in conjunction with street and curb repairs.

The Transfer Station is 32-years old and showing signs of major item problems notably the scale (original) and the compactor (replaced in 1996). The digital readout and cable also has been down several times this past year and requires an upgrade.

Curbside recycling has been endorsed by resolution by Council. This issue will be studied for required additional funding. For now, it is recommended that \$40,000 be included in 2007 for a tentative Pilot Program.



# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works	DIVISION: Refuse
PROJECT NO: R0701	PROJECT TITLE: Curbside Recyclable Collection Pilot Program

PROJECT LOCATION: Two Routes

PROJECT STATUS: NEW: X IN PREVIOUS PROGRAM: IN PROGRESS:

**DESCRIPTION:**

Contract Blue Mountain Recycling and Recycle Bank to provide a six-month curbside recycling Pilot Program to determine if program is cost effective and beneficial to the City of Newark.

Retrofit of two trucks	\$20,000
\$2/Unit/Month x 1,000 units x 6 mo.	\$12,000
\$10/Ton x 700 Tons	\$7,000
City Advertising, Mailers, etc.	\$1,000
Total	\$40,000

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date	2008		Prelim. Plans Complete				
Est. Useful Life			Survey Completed				
Est. Total Cost	40,000		Detail Plans Completed				
First Year in Program	2007		Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services	5,000		Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost	5,000		Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND		-	40,000				40,000
							-
							-
							-
TOTAL	-	-	40,000	-	-	-	40,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works		DIVISION: Refuse	
PROJECT NO: R0602	PROJECT TITLE: Transfer Station Maintenance		
PROJECT LOCATION: Transfer Station			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM: X	IN PROGRESS:
DESCRIPTION: To provide needed maintenance to transfer station and create contingency fund for unforeseen repairs. A bottom replacement was needed in 2004 at a cost of \$8,000. Walls of compactor unit are showing ware, overhaul of hydraulic cylinder has been required approximately every four years, existing scale is thirty years old and sheet piling is badly corroded & scaling.  Scale Replacement: \$80,000 Cyclinder Overhaul: \$20,000 Compactor bottom/wall Replacement: \$10,000			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	Ongoing	Prelim. Plans Complete	
Est. Useful Life		Survey Completed	
Est. Total Cost	110,000	Detail Plans Completed	
First Year in Program	2006	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services	1,000	Site Prepared	
Capital Outlay	1,000	Construction Started	
Total Oper. Cost	2,000	Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND			30,000	80,000			110,000
							-
							-
							-
TOTAL	-	-	30,000	80,000	-	-	110,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works	DIVISION: Refuse
PROJECT NO: R0101	PROJECT TITLE: Automated Refuse Collection Program

PROJECT LOCATION: Selected Route

PROJECT STATUS:            NEW:                    IN PREVIOUS PROGRAM: X                    IN PROGRESS:

**DESCRIPTION:**

To include all costs for converting our refuse collection to automated collection resulting in a reduction of two collectors.  
 An actual productivity measured lower than that estimated plus the addition of 200+ new homes indicate that 4 automated routes will be required instead of three. An increase in resin costs requires an additional \$45,000 added to original costs.  
 Full program costs: \$573,160 (See attached)

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:					
Est. Completion Date	2007	Prelim. Plans Complete					
Est. Useful Life		Survey Completed					
Est. Total Cost	573,160	Detail Plans Completed					
First Year in Program	2002	Specifications Completed					
ESTIMATED OPERATING COST		Site Secured					
CLASSIFICATION	AMOUNT	Bids Received					
Personal Services	<54,400>	Contract Awarded					
Non-Pers. Services		Site Prepared					
Capital Outlay		Construction Started					
Total Oper. Cost	<54,400>	Construction Complete (%)					
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND	158,000	50,000					50,000
CAPITAL PROJECTS FUND	317						-
CAPITAL PROJ. FUND (R0601)	25,830						-
							-
TOTAL	184,147	50,000	-	-	-	-	50,000

**FULL PROGRAM**

## Flippers

2003	2	Trucks			\$7,410
2005	2	Trucks	x	\$3,750	\$7,500
2006	2	Trucks	x	\$5,000	\$10,000

## Carts

2004	1050	Carts			\$38,040
2005	2100	Carts	x	\$37.60	\$78,960
2006	4 x 500		x	\$49.77	\$99,540
2007	4 x 500		x	\$55.00	\$110,000

## Equipment

2005	2	Retrofits	x	\$39,510	\$79,020
2005	1	New (cost difference)			\$65,020
2006	1	New (cost difference)			\$54,740

## Delivery

2003	1050	Carts			\$2,630
2005	2100	Carts	x	\$3.00 /Cart	\$6,300
2006	2000	Carts	x	\$3.00 /Cart	\$6,000
2007	2000	Carts	x	\$4.00 /Cart	\$8,000

Total					\$573,160
-------	--	--	--	--	-----------

2003					\$10,040
2004					\$38,040
2005					\$236,800
2006					\$170,280
2007					\$118,000

Total					\$573,160
-------	--	--	--	--	-----------

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works		DIVISION: Refuse	
PROJECT NO: R9401	PROJECT TITLE: Closure Costs		
PROJECT LOCATION: Transfer Station			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM: X	IN PROGRESS:
DESCRIPTION: Current transfer station permit requires allocation of funds for closure of transfer station estimated at \$154,000. It also requires an enclosure of operations.  Original budget estimate of \$140,000 increased by 10% to allow for inflation since the original estimate was completed ten years ago.			

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date	2009	Prelim. Plans Complete					3/95
Est. Useful Life	5 Yrs.	Survey Completed					
Est. Total Cost	154,000	Detail Plans Completed					
First Year in Program	1994	Specifications Completed					
ESTIMATED OPERATING COST		Site Secured					
CLASSIFICATION	AMOUNT	Bids Received					
Personal Services		Contract Awarded					
Non-Pers. Services		Site Prepared					
Capital Outlay		Construction Started					
Total Oper. Cost	-	Construction Complete (%)					
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND	\$10,000	10,000	10,000	9,830			29,830
CAPITAL PROJECT FUND	114,170						-
							-
							-
TOTAL	124,170	10,000	10,000	9,830	-	-	29,830

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works	DIVISION: Refuse
PROJECT NO: R8902	PROJECT TITLE: Landfill Maintenance

PROJECT LOCATION: Various Landfill Locations

PROJECT STATUS:           NEW:                   IN PREVIOUS PROGRAM: X                   IN PROGRESS:

**DESCRIPTION:**

Funds are used to defray costs associated with testing and maintaining the containment of the City of Newark / University of Delaware Landfill leased by the City, circa 1970. This is a joint project with the City paying 75% and the UD 25%. It is recommended that funds be allocated for future remedial action of past City landfills, including the UD Landfill, Porter Landfill, and Newark Housing Landfill, which are HSCA (Hazardous Substance Clean-up Act) items on State listing. It is estimated that regrading, seeding and mulching of University of Delaware landfill will cost \$50,000.00. Once this is accomplished, it is recommended that \$10,000.00 be set aside annually to cover inspection by a HSCA-Qualified Consultant and any resultant work. DNREC has contacted the City to begin a voluntary clean-up of the Housing Authority Landfill. From a meeting with DNREC, it is anticipated that the cost for Engineering and initial inspection could be as much as \$50,000.00 with actual clean up of site being an additional \$50,000.00.

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	Ongoing	Prelim. Plans Complete	4/91
Est. Useful Life	N/A	Survey Completed	
Est. Total Cost	200,000	Detail Plans Completed	
First Year in Program	1989	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost	-	Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND	50,000						-
CAPITAL PROJECT FUND	76,337						-
							-
							-
TOTAL	126,337	-	-	-	-	-	-

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works		DIVISION: Refuse	
PROJECT NO: R-EQSF	PROJECT TITLE: Equipment Replacement Program		

PROJECT LOCATION:

PROJECT STATUS:            NEW:                    IN PREVIOUS PROGRAM: X                    IN PROGRESS:

DESCRIPTION:  
Planned advance funding accumulated through depreciation to replace essential equipment when necessary.  
See attached schedule.

SUMMARY OF PROJECT DATA				PROGRESS SCHEDULE:			
Est. Completion Date	Ongoing			Prelim. Plans Complete			
Est. Useful Life				Survey Completed			
Est. Total Cost				Detail Plans Completed			
First Year in Program				Specifications Completed			
ESTIMATED OPERATING COST				Site Secured			
CLASSIFICATION	AMOUNT			Bids Received			
Personal Services				Contract Awarded			
Non-Pers. Services				Site Prepared			
Capital Outlay				Construction Started			
Total Oper. Cost	-			Construction Complete (%)			
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
EQUIP. REPLACE. FUND			596,000	35,000	309,000	508,000	1,448,000
							-
							-
							-
TOTAL	-	-	596,000	35,000	309,000	508,000	1,448,000

**CITY OF NEWARK, DELAWARE**  
**EQUIPMENT REPLACEMENT PROGRAM SCHEDULE 2007-2011**  
**PUBLIC WORKS DEPARTMENT, REFUSE DIVISION**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 4/30/2005	EST MILEAGE AT REPL	NORMAL YEARS LIFE	EST YR TO BE REPL	REPLACEMENT COSTS				
								2007	2008	2009	2010	2011
REFUSE COLLECTION												
409	2006 International 4300 Sewer Flusher	09/12/05	146,659	0	65,000	6	2011					176,000
456	2004 Int'l 7400 One-man Packer	01/16/04	124,302	11,506	65,000	6	2010				136,000	
454	2006 Int'l 7500 Refuse Truck	02/12/05	177,652	N/A	N/A	6	2011					213,000
410	2004 Int'l 7400 One-man Packer	01/16/04	124,302	11,145	65,000	6	2010					
455	1998 Int'l One-man Packer (e)	05/22/98	101,249	29,640	65,000	6	2005				136,000	
457	1997 Int'l One-man Packer (b)	05/09/97	93,865	54,276	N/A	N/A	N/A					
423	2001 Sterling Refuse Truck	06/08/01	86,650	38,688	75,000	7	2008		117,000			
425	2000 Sterling Refuse Truck	04/07/00	87,400	38,761	75,000	8	2008		117,000			
418	2001 Sterling Refuse Truck	09/29/00	86,650	52,491	75,000	7	2008		117,000			
411	2006 Int'l 7500 Refuse Truck	03/29/06	124,302	n/a	75,000	6	2012					
453	2006 Int'l 7500 Refuse Truck	03/30/06	124,302	n/a	75,000	6	2012					
458	1997 Int'l 4900 One-man Packer (a)	05/23/97	93,865	53,396	N/A	N/A	N/A					
459	1999 Int'l 4900 Side Loader (a)	02/12/99	104,700	29,166	N/A	N/A	N/A					
SPECIAL COLLECTION												
440	1997 Int'l Knuckleboom Truck	12/31/96	67,190	55,407	63,000	10	2008		80,000			
441	1997 Int'l Stake Body Truck	03/14/97	39,285	41,107	63,000	10	2008		45,000			
DISPOSAL												
412	2005 Int'l 7600 Semi Tractor	10/04/04	74,487	8,426	85,000	10	2014					
497	1999 Sterling L9513 Semi Tracto (c)	03/05/99	77,667	90,128	--	8	2008		85,000			
495	1998 Spec Tec Ejector Trailer (c)	10/02/98	34,200	--	N/A	10	2008		35,000			
498	2000 Spec Tec Ejector Trailer (c)	09/15/00	34,000	--	N/A	10	2010				37,000	
499	1999 Closed Top Ejector Trailer (c)	10/01/99	34,000	--	N/A	10	2009			35,000		
496	2003 Aluminum Dump Trailer	06/20/03	31,383	--	N/A	10	2013					
OTHER EQUIPMENT												
413	2003 Schwarze A7000 Sweeper	01/09/04	99,130	10,352	--	7	2011					119,000
TOTAL REFUSE DIVISION												
								\$0	\$596,000	\$35,000	\$309,000	\$508,000

(a) Vehicle 458 is the old #453 and vehicle 459 is the old 411 (needs new motor); these vehicles will remain in service indefinitely.  
(b) Vehicle 457 is the old #409, retained as a backup.  
(c) Replacement of these vehicles is subject to the Transfer Station Agreement with the University of Delaware.  
(e) Was to be replaced in 2005  
Note: Replacement costs may reflect a 20% increase over purchase price.



# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works

DIVISION: Streets

PROJECT NO: H0701

PROJECT TITLE: Street Lighting

PROJECT LOCATION: Various City Limits Location

PROJECT STATUS:

NEW:

IN PREVIOUS PROGRAM: X

IN PROGRESS:

DESCRIPTION:

Installation of new streetlights in developments and other areas as needed.

Replacement of mercury vapor streetlight fixtures with high pressure sodium fixtures.

It is proposed to replace older inefficient fixtures with the high pressure sodium type resulting in more light output and less energy usage. Sodium bulbs can be landfilled while mercury bulbs must be treated as hazardous waste.

### SUMMARY OF PROJECT DATA

### PROGRESS SCHEDULE:

Est. Completion Date	Cont.	Prelim. Plans Complete	3/96
Est. Useful Life	30 Yrs.	Survey Completed	3/96
Est. Total Cost	100,000	Detail Plans Completed	
First Year in Program	Cont.	Specifications Completed	
<b>ESTIMATED OPERATING COST</b>		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services	1,000	Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost	1,000	Construction Complete (%)	

### PLANNED FINANCING OF PROJECT

SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
STREET FUND	15,000		15,000	15,000	15,000	15,000	60,000
CAPITAL PROJECTS FUND	14,590						-
							-
							-
TOTAL	29,590	-	15,000	15,000	15,000	15,000	60,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works	DIVISION: Streets
PROJECT NO: H0702	PROJECT TITLE: Storm Drainage Improvements

PROJECT LOCATION: Various Locations

PROJECT STATUS:            NEW:            IN PREVIOUS PROGRAM: X            IN PROGRESS:

**DESCRIPTION:**

See attached project list.

It should be noted that storm drainage problems in Newark are becoming less prevalent and projects may not be identified. In such a case, it is recommended that this money be added to one of the following:

- 1) Street Improvement Contract
- 2) Stormwater Quality Controls
- 3) Handicap Ramps per new ADA Requirements

SUMMARY OF PROJECT DATA				PROGRESS SCHEDULE:			
Est. Completion Date	Ongoing			Prelim. Plans Complete		3/96	
Est. Useful Life	20 Yrs.			Survey Completed		3/96	
Est. Total Cost	500,000			Detail Plans Completed			
First Year in Program	1981			Specifications Completed			
ESTIMATED OPERATING COST				Site Secured			
CLASSIFICATION	AMOUNT			Bids Received			
Personal Services				Contract Awarded			
Non-Pers. Services				Site Prepared			
Capital Outlay				Construction Started			
Total Oper. Cost	-			Construction Complete (%)			
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
STREET FUND	60,824	85,000	115,000	50,000	80,000	80,000	410,000
CAPITAL PROJECTS FUND							-
							-
							-
TOTAL	60,824	85,000	115,000	50,000	80,000	80,000	410,000

### STORM DRAINAGE IMPROVEMENTS

1. WINSLOW ROAD AND ARBOUR DRIVE LOCATIONS  
2007 - \$85,000

Install 3 catch basins and 270 ft. of pipe on Winslow Road. Install 2 catch basins and 32 ft. of pipe, 70 ft. of curb and sidewalk on Arbour Drive.

2. APPLE ROAD – BETWEEN MANNS AVENUE & DALLAS AVENUE  
2008 - \$115,000

Install 6 catch basins and 920 ft. of pipe to system

3. S. CHAPEL STREET – BETWEEN CHAMBERS STREET AND LOVETT AVENUE  
2009 - \$50,000

Install 2 catch basins and 300 l.f. of pipe. DelDOT will probably require a full street width patch.

4. PROJECT NOT SELECTED BUT FUNDING BASED ON AVERAGE OF PAST PROJECTS – 2010 - \$80,000

5. PROJECT NOT SELECTED BUT FUNDING BASED ON AVERAGE OF PAST PROJECTS – 2011- \$80,000

#### POSSIBLE FUTURE CANDIDATES FOR PROJECTS

Old Paper Mill Road – Curb and storm sewer at reservoir.

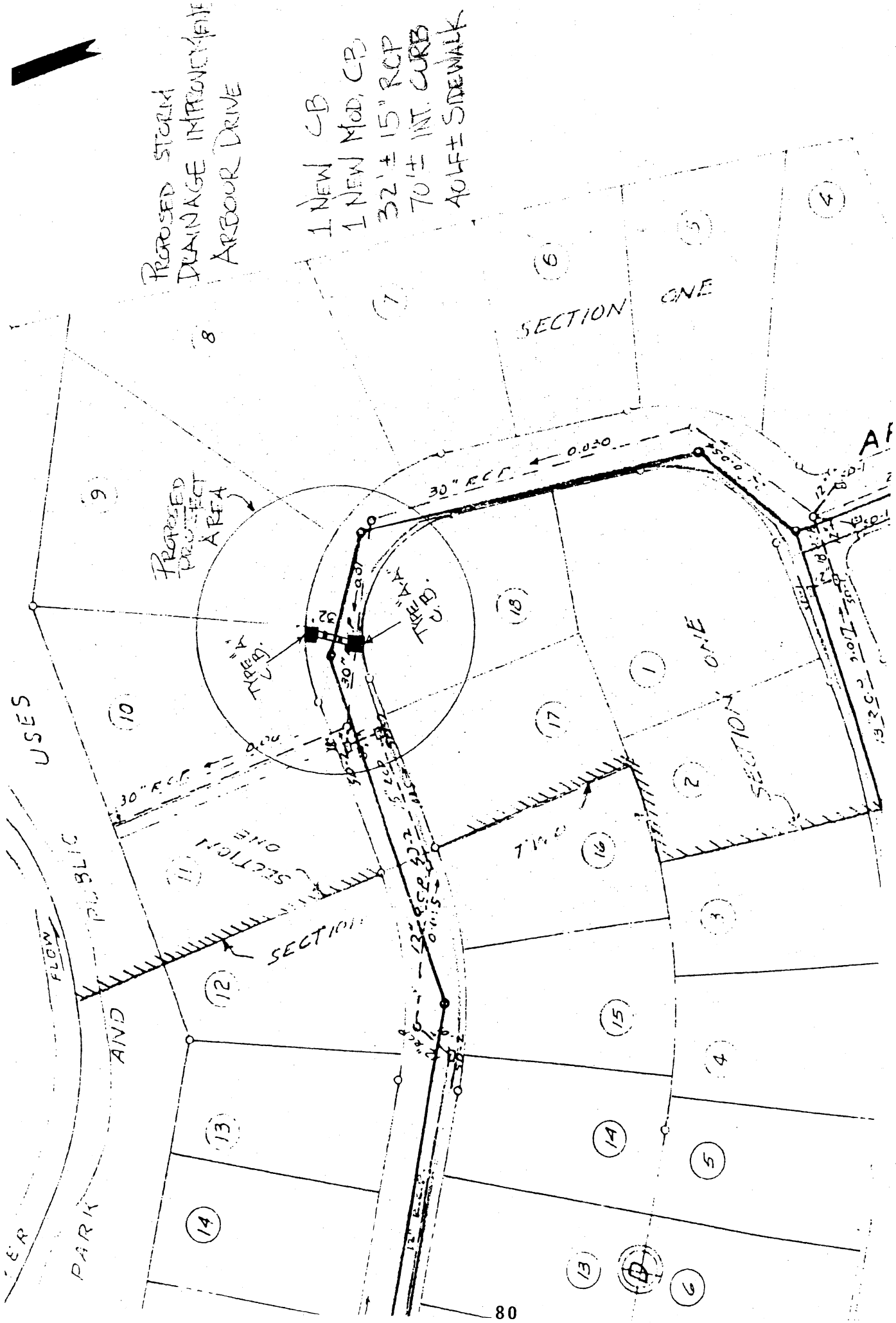
Curtis Lane – Upgrade of culverts to help flooding problems.

Cleveland and North College – Addition of catch basins and piping.



PROPOSED STORM  
DRAINAGE IMPROVEMENT  
ARBOUR DRIVE

- 1 NEW CB
- 1 NEW MOD. CB
- 32' ± 15" RCP
- 70' ± INT. CURB
- 40 LF ± SIDEWALK



# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works

DIVISION: Streets

PROJECT NO: H0703

PROJECT TITLE: Annual Street/Curb/Catch Basin Program

PROJECT LOCATION: City-wide

PROJECT STATUS:

NEW:

IN PREVIOUS PROGRAM: X

IN PROGRESS:

**DESCRIPTION:**

Because of the need to coordinate these associated tasks to improve cost-effectiveness and to ensure that all monies allotted to the improvement of the infrastructure are spent on it, street, curb and catch basin improvement programs were combined. This project also includes the required City cash match (20%) for the State of DE Dept. of Transportation's Transportation Enhancement (TE) Program funded Main Street Comprehensive Streetscape Program. The first phase of the program, will include inlaid brick crosswalks at designated locations and illuminated with double-headed decorative lamps, additional landscaping east of Chapel Street, and retrofitted/upgraded Main Street tree pits. The project, in addition to improving the visual and aesthetic appeal of downtown, will help meet the Council goal of crosswalk uniformity in areas of high pedestrian activity. DelDOT calculates the 20% match for each \$100,000 they provide, up to a maximum of \$1 million. Therefore, the City's match will be \$200,000 for a total project budget of \$1.2 million. Because the project limits extend only to S. College Avenue on the west, another application will have to be submitted for TE program funds to complete the remaining .125 mile section of the street to complete the project. The estimate for this work is \$288,000 which will require, under current guidelines, a \$60,000 match from the City. Annual budgeted monies have been increased \$60,000 to help offset a 25% increase in costs and additional ADA handicap ramp requirements.

### SUMMARY OF PROJECT DATA

### PROGRESS SCHEDULE:

Est. Completion Date	Ongoing	Prelim. Plans Complete	3/00
Est. Useful Life	15 Yrs.	Survey Completed	
Est. Total Cost	Ongoing	Detail Plans Completed	
First Year in Program	2002	Specifications Completed	
<b>ESTIMATED OPERATING COST</b>		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost	-	Construction Complete (%)	

### PLANNED FINANCING OF PROJECT

SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
STREET FUND	257,000	300,000	300,000	300,000	300,000	300,000	1,500,000
CAPITAL PROJECTS FUND	137,782						-
							-
							-
TOTAL	394,782	300,000	300,000	300,000	300,000	300,000	1,500,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works		DIVISION: Streets	
PROJECT NO: H0704	PROJECT TITLE: Street Sign/Traffic Control Sign Upgrade		
PROJECT LOCATION: City-wide			
PROJECT STATUS:		NEW:	IN PREVIOUS PROGRAM: X
			IN PROGRESS:
DESCRIPTION: To implement signage maintenance program to bring all signs into ASSHTO compliance and upgrade all street blade signs to high intensity grade utilizing larger street blade signs at all intersections.			

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date	Ongoing		Prelim. Plans Complete				3/96
Est. Useful Life	10 Yrs.		Survey Completed				
Est. Total Cost	Ongoing		Detail Plans Completed				
First Year in Program	1997		Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services			Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost	-		Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
STREET FUND	-	-	-	15,000	15,000	15,000	45,000
CAPITAL PROJECTS FUND	36,120						-
							-
							-
TOTAL	36,120	-	-	15,000	15,000	15,000	45,000

STREET SIGNS

1 Street Blade Signs: 308 streets x 3 signs\* = 924

950 signs x \$50 sign\*\* = \$47,500

Total Street Blades = \$47,500.00

2 Stop signs: 640 signs x \$40 sign = \$25,600.00

3 Yield signs: 50 signs x \$30 sign = \$1,500

4 Other signs: 3000 signs x \$20 sign = \$60,000

Total Stop, Yield & Other signs: \*\*\* = \$43,550.00

Total Estimated Sign Cost = \$91,050.00

Add Poles, Hardware, Brackets = \$13,000.00

Total Estimated Sign Maintenance Program \$104,050.00

\* 3 street signs required per street (assumed average of pass through streets and dead end streets)

\*\* high intensity, 9" high signs

\*\*\* Assume 50% need replacement due to poor reflectivity, damage or defacement



# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works		DIVISION: Streets	
PROJECT NO: H0705	PROJECT TITLE: Purchase Work Zone Safety Crash Cushion/Arrow Panel.		
PROJECT LOCATION: To be used by all departments.			
PROJECT STATUS: NEW: X		IN PREVIOUS PROGRAM: IN PROGRESS:	
<p><b>DESCRIPTION:</b></p> <p>The Electric Department was recently informed that they required a truck mounted crash cushion to do work on State roads. The Water and Public Works Departments also do work on State roads often in emergency situations when waiting to make arrangements for a rental is not feasible. It is anticipated that this crash cushion will be mounted on the old stakebody (Vehicle 100) and then transferred to Vehicle 441 when it is replaced.</p> <p>Crash Cushion/Arrow Panel: \$22,500.00  Truck Retrofits: \$5,000.00</p>			

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date Est. Useful Life Est. Total Cost First Year in Program	2007		Prelim. Plans Complete				
	20 Yrs.		Survey Completed				
	27,500		Detail Plans Completed				
	2007		Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services			Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost	-		Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
STREET FUND	-	27,500	-				27,500
							-
							-
							-
TOTAL	-	27,500	-	-	-	-	27,500

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works

DIVISION: Streets

PROJECT NO: H0505

PROJECT TITLE: Sidewalk Installation

PROJECT LOCATION: Welsh Tract Road - South College Ave. to Folk Park

PROJECT STATUS:

NEW:

IN PREVIOUS PROGRAM: X

IN PROGRESS:

**DESCRIPTION:**

In cooperation with DelDOT and their Transportation Enhancement Program, install a sidewalk along of Welsh Tract Road from Villa Belmont to Folk Park to improve access to Folk Memorial Park.

### SUMMARY OF PROJECT DATA

### PROGRESS SCHEDULE:

Est. Completion Date	2006	Prelim. Plans Complete	
Est. Useful Life	20 Yrs.	Survey Completed	
Est. Total Cost	110,000	Detail Plans Completed	
First Year in Program	2005	Specifications Completed	
<b>ESTIMATED OPERATING COST</b>		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost	-	Construction Complete (%)	

### PLANNED FINANCING OF PROJECT

SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
STREET FUND	\$4,800						-
GRANTS	115,200						-
							-
							-
TOTAL	120,000	-	-	-	-	-	-

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works

DIVISION: Streets

PROJECT NO: H0206

PROJECT TITLE: Municipal Building Parking Lot Improvements

PROJECT LOCATION: 220 Elkton Road

PROJECT STATUS:

NEW:

IN PREVIOUS PROGRAM: X

IN PROGRESS:

**DESCRIPTION:**

Due to poor drainage conditions, the municipal building parking lot is showing serious signs of deterioration. It is proposed that an underdrain system be installed with the replacement of the hot mix.

### SUMMARY OF PROJECT DATA

### PROGRESS SCHEDULE:

Est. Completion Date	2007	Prelim. Plans Complete	
Est. Useful Life	15 Yrs.	Survey Completed	
Est. Total Cost	130,000	Detail Plans Completed	
First Year in Program	2002	Specifications Completed	
		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost	-	Construction Complete (%)	

### PLANNED FINANCING OF PROJECT

SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
STREET FUND			130,000				130,000
							-
							-
							-
TOTAL	-	-	130,000	-	-	-	130,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works	DIVISION: Streets
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PROJECT NO: H9604	PROJECT TITLE: Sidewalk Improvements
-------------------	--------------------------------------

PROJECT LOCATION: Selected Route

PROJECT STATUS:                      NEW:                      IN PREVIOUS PROGRAM: X                      IN PROGRESS:

**DESCRIPTION:**  
 To budget money for annual Sidewalk Repair/Installation Program to cover City costs. Based on previous cost per year, \$10,000 has been budgeted annually to cover Contract costs associated with work at locations where residents fail to make the required repairs. In addition, a one time match of \$55,000 is required for installations provided under the Federal Transportation Enhancement Funding Program.

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date Est. Useful Life Est. Total Cost First Year in Program	Ongoing		Prelim. Plans Complete				3/95
	15 Yrs.		Survey Completed				
	Ongoing		Detail Plans Completed				
	1996		Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services			Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost	-		Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
STREET FUND			10,000	10,000	10,000	10,000	40,000
CAPITAL PROJECTS FUND	61,190						-
							-
							-
TOTAL	61,190	-	10,000	10,000	10,000	10,000	40,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works	DIVISION: Streets
PROJECT NO: H7804	PROJECT TITLE: Christina Creek Improvements

PROJECT LOCATION: Christina Creek

PROJECT STATUS:                      NEW:                      IN PREVIOUS PROGRAM: X                      IN PROGRESS:

### DESCRIPTION:

Stabilize banks of Christina Creek utilizing gabion revetments and deflectors or by means of natural bioengineering techniques.

An inspection by Parks and Public Works led to the following projects:

- 1) Stream bank near Sandy Brae Industrial Park (2007) \$100,000
- 2) Stream bank in areas of Abbotsford (2008) \$75,000
- 3) Stream bank beneath the CSX Bridge (2009) \$60,000
- 4) Stream bank across Elkton Road from Suburban Plaza (2010) \$50,000
- 5) Bridge behind Abbotsford (2011) \$15,000
- 6) Stream bank at small bridge and behind Christina Mill Apartments (2011) \$40,000

An alternative use of these funds may be as matching funds for a State and Federal grant to complete the Christina Creek Restoration Study.

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:					
Est. Completion Date	Ongoing	Prelim. Plans Complete	2/96				
Est. Useful Life		Survey Completed	2/00				
Est. Total Cost	Ongoing	Detail Plans Completed					
First Year in Program	1978	Specifications Completed					
ESTIMATED OPERATING COST		Site Secured					
CLASSIFICATION	AMOUNT	Bids Received					
Personal Services	5,000	Contract Awarded					
Non-Pers. Services	1,000	Site Prepared					
Capital Outlay		Construction Started					
Total Oper. Cost	6,000	Construction Complete (%)					
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
STREET FUND			75,000	60,000	50,000	55,000	240,000
CAPITAL PROJECTS FUND	96,185						-
							-
							-
TOTAL	96,185	-	75,000	60,000	50,000	55,000	240,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works

DIVISION: Streets

PROJECT NO: H-EQSF

PROJECT TITLE: Equipment Replacement Program

PROJECT LOCATION:

PROJECT STATUS:

NEW:

IN PREVIOUS PROGRAM: X

IN PROGRESS:

DESCRIPTION:

Planned advance funding accumulated through depreciation to replace essential equipment when necessary.  
See attached schedule.

### SUMMARY OF PROJECT DATA

Est. Completion Date

Ongoing

Est. Useful Life

Est. Total Cost

First Year in Program

### PROGRESS SCHEDULE:

Prelim. Plans Complete

Survey Completed

Detail Plans Completed

Specifications Completed

### ESTIMATED OPERATING COST

CLASSIFICATION

AMOUNT

Site Secured

Bids Received

Contract Awarded

Site Prepared

Construction Started

Construction Complete (%)

Personal Services

Non-Pers. Services

Capital Outlay

Total Oper. Cost

### PLANNED FINANCING OF PROJECT

SOURCE OF FUNDS

PRIOR

2007

2008

2009

2010

2011

TOTAL

EQUIP. REPLACE. FUND

314,000

114,000

77,000

272,000

777,000

-

-

-

TOTAL

-

-

314,000

114,000

77,000

272,000

777,000

**CITY OF NEWARK, DELAWARE**  
**EQUIPMENT REPLACEMENT PROGRAM SCHEDULE 2007-2011**  
**PUBLIC WORKS DEPARTMENT, STREET DIVISION**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 4/30/2005	EST MILEAGE AT REPL	NORMAL YEARS LIFE	EST YR TO BE REPL	REPLACEMENT COSTS				
								2007	2008	2009	2010 2011	
515	FOREMAN'S TRUCK 2001 Dodge Ram Pickup	02/09/01	22,253	41,079	65,000	8	2009					
504	2001 Dodge Ram Pickup (a)	06/23/00	22,839	48,308	--	N/A	N/A			24,000		
551	SIGNS & PAINTING 1997 Ford F-Super Duty (d)	01/23/98	36,230	53,432	75,000	8	2006					
522	DUMP TRUCKS 1997 Int'l 4900 Dump Truck	01/24/97	67,965	48,421	75,000	9	2008		75,000			
523	1997 Int'l 4900 Dump Truck	01/24/97	67,965	54,891	75,000	9	2008		75,000			
524	1992 Int'l Dump Truck (b)	11/27/91	57,175	7,511	75,000	-	N/A					
528	2002 Int'l 4900 Dump Truck	08/31/01	88,107	17,571	100,000	8	2009			90,000		
542	1995 Ford 3/4Ton Pick-up (d)	07/19/95	28,943	74,761	70,000	10	2006					
550	2004 Int'l Dump Truck	11/21/03	95,845	6,322	75,000	8	2011					115,000
552	1992 Int'l Dump Truck (b)	12/21/91	57,175	73,889	75,000	-	N/A					
553	1998 Ford 18501 Dump Truck	02/27/98	71,163	35,688	75,000	9	2008		75,000			
554	2004 Int'l Dump Truck VAC-ALL	11/21/03	95,845	6,469	75,000	8	2011					115,000
507	2005 Int'l 4700 Catch Basin Clnr	12/22/05	129,375	n/a	---	7	2012					
513	2000 Sidewalk Sweeper Vacuum	11/17/00	25,971	---	---	7	2008		29,000			
508	BACKHOE Tarco Windy 400 Vacuum Leaf Loader	12/15/00	35,200	--	---	11	2011					42,000
509	Tarco Windy 400 Vacuum Leaf Loader	07/13/01	35,200	--	---	9	2010				39,000	
510	Tarco Windy 400 Vacuum Leaf Loader	02/20/98	34,689	--	---	12	2010				38,000	
511	2001 Case Loader	06/08/01	47,490	--	---	6	2008		60,000			
531	2003 JCB Model 426 Loader	11/07/03	93,872	--	---	13	2016					
TOTAL STREET DIVISION								\$0	\$314,000	\$114,000	\$77,000	\$272,000

(a) Vehicle 504 is the old 421 which was removed from service in 2003. It will not be replaced.  
(b) Vehicles 550 & 554 were to replace vehicles 524 & 552, which were kept as backups. They will not be replaced.  
(d) To be replaced in 2006

Note: Replacement costs may reflect a 20% increase over purchase price.

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works	DIVISION: Engineering
PROJECT NO: T0701	PROJECT TITLE: Office Equipment Improvements

PROJECT LOCATION: City Hall

PROJECT STATUS:            NEW: X            IN PREVIOUS PROGRAM:            IN PROGRESS:

**DESCRIPTION:**

In an effort to consolidate files and conserve space, it is recommended that a new format printer/scanner/copier be purchased to replace our outdated blueline copier. This new equipment can scan full size plans directly to CD for compact storage and handles CAD output and GIS graphics \$30,000. This was also recommended by Homeland Security Assessment.

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:					
Est. Completion Date	2007	Prelim. Plans Complete					
Est. Useful Life	10 Yrs.	Survey Completed					
Est. Total Cost	30,000	Detail Plans Completed					
First Year in Program	2007	Specifications Completed					
ESTIMATED OPERATING COST		Site Secured					
CLASSIFICATION	AMOUNT	Bids Received					
Personal Services		Contract Awarded					
Non-Pers. Services	1,000	Site Prepared					
Capital Outlay	1,000	Construction Started					
Total Oper. Cost	2,000	Construction Complete (%)					
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND		30,000					30,000
							-
							-
							-
TOTAL	-	30,000	-	-	-	-	30,000



# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works	DIVISION: Engineering
PROJECT NO: T0201	PROJECT TITLE: Culvert Modifications at Route 4 over Silver Brook

PROJECT LOCATION: Route 4 crossing of Silver Brook

PROJECT STATUS:                      NEW:                      IN PREVIOUS PROGRAM: X                      IN PROGRESS:

**DESCRIPTION:**

Provide hydraulic study to determine the feasibility of modifying the existing culvert entrances at Christina Parkway to divert flood waters from Silver Brook to the Christina Creek. This project was submitted through FEMA's grant program for flooding but was not approved because of the need to perform a study to determine the benefits, if any (periodic flooding of backyards is not considered major problem), to Silver Brook and negative impacts, if any, to the Christina Creek.

Preliminary study by Natural Resources Conservation Service indicate that project will not provide significant improvement to Silver Brook and could very easily create a negative impact to upstream Hotel property.

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date Est. Useful Life Est. Total Cost First Year in Program	2004	Prelim. Plans Complete	2/01				
	30 Yrs.	Survey Completed	2/01				
	32,000	Detail Plans Completed					
	2002	Specifications Completed					
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT	Bids Received					
Personal Services		Contract Awarded					
Non-Pers. Services		Site Prepared					
Capital Outlay		Construction Started					
Total Oper. Cost	-	Construction Complete (%)					
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND			17,000				17,000
DEVELOPMENT FEES	15,000						-
							-
							-
TOTAL	15,000	-	17,000	-	-	-	17,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works		DIVISION: Engineering
PROJECT NO: T0101	PROJECT TITLE: NPDES Phase II Stormwater Quality	

PROJECT LOCATION: Various locations in City

PROJECT STATUS:            NEW:                            IN PREVIOUS PROGRAM: X                            IN PROGRESS:

DESCRIPTION:  
 Per the 1999 NPDES Phase II Stormwater Quality Regulations, the City of Newark is required to meet approved standards to improve stormwater quality. According to our plan submittal, we have planned the following:

Install leaf compost storage bin on 896 compost area: 2006 \$7,000  
 Install in-line storm sewer system quality controls in Maintenance Yard: 2006 \$60,000  
 Install in-line storm sewer quality controls at McKees Park, Rahway Park, Handloff Park and Yorkshire Woods I:  
     2007-2011 \$50,000 annually

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date	Ongoing		Prelim. Plans Complete				
Est. Useful Life			Survey Completed				
Est. Total Cost			Detail Plans Completed				
First Year in Program	2001		Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services			Contract Awarded				
Non-Pers. Services	\$2,000		Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost	\$2,000		Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND	\$40,000		50,000	50,000	50,000	50,000	200,000
CAPITAL PROJECTS FUND	7,020						-
							-
							-
TOTAL	47,020	-	50,000	50,000	50,000	50,000	200,000

## Stormwater Capital Budget Project Possibilities

For **Baysaver** or **Stormceptor** systems, Mike, Pusey and I considered access first, area available, and then what the source of runoff would be. We came up with the following locations where we felt either system would improve the quality of stormwater runoff. These are also listed in order of preference due to the proximity of the creek, and the streets or businesses contributing to the runoff:

McKees Park – Car dealerships contribute heavily and it is right on White Clay Creek. No quality or quantity SWM currently located there. City parkland - no easement or access issues.

Rahway Park – Drains a section of Cherry Hill and is right on the Christina Creek. No quality or quantity SWM currently located there. City parkland - no easement or access issues.

Handloff Park – Drains a section of Nottingham Green, located within the watershed area of the Christina Creek. No quality or quantity SWM currently located there. City parkland - no easement or access issues.

Yorkshire Woods I – Drains a section of Yorkshire Woods I, right into the Yorkshire ditch. There is quantity SWM in the form of underground storage, but no quality. City parkland - no easement or access issues.

For **Basin Insert** systems, maintenance issues arise. However, we identified three areas where inserts would improve stormwater quality in environmentally sensitive areas. These areas include:

Christianstead or West Branch subdivision streets  
Arbour Drive  
Cherry Hill streets

### Pricing

**Baysaver**, **Stormceptor**, or **Stormgate Separators** systems could cost \$25,000 - \$45,000 or more depending on the size of the drainage area and installation costs.

**Basin Inserts** may cost \$ 100 or more depending on the manufacturer. Reusable units can cost significantly more.

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works		DIVISION: Engineering
PROJECT NO: T9801	PROJECT TITLE: Stormwater Facility Restoration	

PROJECT LOCATION: Various locations in City

PROJECT STATUS:            NEW:                    IN PREVIOUS PROGRAM: X                    IN PROGRESS:

DESCRIPTION:  
 To provide a funding mechanism for maintenance of City-owned stormwater facilities.  
 Attached is an estimate of current work required totalling \$204,950. This stormwater facility maintenance will be an annual contract starting in 2006.

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	Ongoing	Prelim. Plans Complete	3/97
Est. Useful Life	20 Yrs.	Survey Completed	
Est. Total Cost	300,000	Detail Plans Completed	
First Year in Program	1998	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services	3,000	Contract Awarded	
Non-Pers. Services	3,000	Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost	6,000	Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND		20,000	20,000	20,000	20,000	20,000	100,000
CAPITAL PROJECT FUND	106,261						-
							-
							-
TOTAL	106,261	20,000	20,000	20,000	20,000	20,000	100,000

**CITY MAINTAINED STORMWATER MANAGEMENT FACILITIES**

Country Place – Wet Detention Basin

Hunt at Louviers – Three (3) Dry Detention Basins

Lewis Park – Dry Detention Basin

Middle Run Meadow – Dry Detention Basin

Phillips Park – Dry Impounding Basin

Ridgewood Glen – Dry Detention Basin

Stafford Farms – Two (2) Dry Detention Basins

Valley Stream – Dry Detention Basin

White Chapel – Wet and Dry Detention Basin

Woods at Louviers – Three (3) Dry Detention Basins

Yorkshire Woods – Underground Storage RCP

Casho Mill Station – Dry Detention Basin with Mini-Pools

Woods at Yorkshire – Dry Detention Basin

Paper Mill Falls – Dry Detention Basin

MAINTENANCE REQUIREMENTS FOR CITY MAINTAINED STORMWATER MANAGEMENT FACILITIES					
RANK	#	FACILITY NAME	DESCRIPTION OF WORK TO BE COMPLETED	COSTS *	TOTALS
1	89	WHITE CHAPEL, DRY IMPOUNDMENT AREA	RESTABILIZE WASHOUTS AT RETURNS ON RETAINING WALL BY INSTALLING RIP. RAP WITH GEO TEXTILE	\$2,500.00	
			REMOVE SLIGHT SEDIMENT BUILD-UP FROM DOWNSTREAM SIDE OF WALL	\$1,500.00	
			PIPE RUNS TO WET POND - REGROUT/PARGE JOINTS WHERE OPEN OR PARGING MISSING ON THE INSIDE OF BOTH PIPE RUNS. RUNOFF NEAR FES'S FLOWING UNDER PIPES	\$3,500.00	
			UNPLUG ORIFICE. CONSIDER SOME TYPE OF TRASH RACK RETROFIT TO KEEP ORIFICE FROM CLOGGING.	\$1,500.00	
					\$9,000.00
1	79	WHITE CHAPEL, WET POND	REPAIR SINK HOLES AT TOP OF GROUTED FES'S. REATTACH OR REPLACE THE FES'S, (SEPARATED AND SETTLED) ENTERING THE WET POND. LOWER 15" RCP PIPE MIGHT HAVE TO HAVE THE LAST SECTION OR TWO REINSTALLED OR REPLACED.	\$10,000.00	
			REMOVE GROUTED EXISTING APRON, (CRACKED AND SETTLED) FROM THE INLET. SIZE AND INSTALL RIP RAP OR GABION MATTRESS APRON IN FRONT OF ALL 3 INLET PIPES	\$5,000.00	
			CONSIDER RETROFITTING INLET END OF WET POND BY INSTALLING A DEEPER FOREBAY WITH A RIP RAPPED STONE SEPARATOR FOR REMOVING SEDIMENT ACCUMULATION BEFORE IT CAN BE TRANSPORTED TO OTHER AREAS OF THE WET POND.	\$8,500.00	
			REMOVE WOODY VEGETATION AND REPAIR FENCE ON NORTH SIDE OF WET POND. INSTALL GATE WITH LOCK NEAR INLET PIPES. MUST BE WIDE ENOUGH FOR EQUIPMENT ACCESS.	\$5,800.00	
			ON THE OUTLET END OF THE WET POND, REMOVE ALL WOODY VEGETATION FROM EMBANKMENT AND RESTABILIZE. REPAIR OR REPLACE FENCE WHERE MISSING OR DAMAGED	\$17,000.00	
			UNCLOG ORIFICE AT OUTLET RETAINING WALL.	\$500.00	
			CONSIDER RETROFITTING SOME TYPE OF TRASH RACK TO KEEP ORIFICE FROM CLOGGING	\$1,000.00	

MAINTENANCE REQUIREMENTS FOR CITY MAINTAINED STORMWATER MANAGEMENT FACILITIES				
RANK	#	FACILITY NAME	DESCRIPTION OF WORK TO BE COMPLETED	TOTALS
			AROUND OUTLET RETAINING WALL - REPAIR GABIONS AND INSTALL RIP RAP WHERE NEEDED.	\$2,500.00
			AT THE SANITARY SEWER MH BEHIND RETAINING WALL - REPARGE RISER, ATTACH TOP, REPARGE JOINTS INSIDE MANHOLE AND INSTALL WATERTIGHT MH LID	\$3,750.00
			PROVIDE GENERAL CLEAN UP OF TRASH AND DEBRIS AROUND AND IN WET POND	\$3,000.00
			AT THE INLET PIPE FROM DUNSMORE DRIVE - REMOVE ALL VEGETATION FROM OVERTOP AND ALONG BOTH SIDES OF THE OUTLET CHANNEL TO THE EDGE OF THE WET POND. RE-ESTABLISH RIP RAP APRON.	\$4,500.00
				\$61,550.00
2	6	CANNONS GATE	FLUSH AND/OR REMOVE SEDIMENT AND LEAVES FROM THE CHAMBER. MAY HAVE TO BE DONE BY HAND-LABOR INTENSIVE	\$12,500.00
				\$12,500.00
3	58	STAFFORD FARMS, WEST SIDE	REPLACE CRACKED 16" - 18" RISER. GRATE IS UPSIDE DOWN. CONSIDER A-FRAME TYPE TRASH RACK REPLACEMENT FOR GRATE PARGE TOP OF STORM MANHOLE CLEAN OUT ACCUMULATED SEDIMENT IN FRONT OF AND AT INLET PIPE, 2" - 3" CONSIDER RETROFITTING FOR COMBINATION FOREBAY/MICROPOOL, 3' DEEP LINED WITH RIP RAP RESTORATION TO INCLUDE SEEDING, SOD, MATTING, TOPSOIL, YARD REPAIRS	\$2,375.00 \$300.00 \$1,250.00 \$8,500.00 \$1,000.00 \$13,425.00
3	59	STAFFORD FARMS, EAST SIDE	FES NEEDS TO BE RECONNECTED AND REGROUTED INLET CMP IS 90% BLOCKED, NEEDS TO BE CLEANED AND FLUSHED RESTORATION TO INCLUDE SEEDING, SOD, MATTING, TOPSOIL, YARD REPAIRS	\$1,500.00 \$3,500.00 \$1,000.00 \$6,000.00

		MAINTENANCE REQUIREMENTS FOR CITY MAINTAINED STORMWATER MANAGEMENT FACILITIES		
RANK	#	FACILITY NAME	DESCRIPTION OF WORK TO BE COMPLETED	TOTALS
4	95	WOODS AT LOUVIERS DETENTION BASIN # 1	REFILL OUTFALL GABIONS WITH BIGGER STONE TO REPLACE WASHED STONE.	
			RE-LINE ROCK CHANNEL TO REPLACE WASHED RIP RAP.	\$1,500.00
			CLEAN DEBRIS AND SEDIMENT IN FRONT OF PIPE RUNNING UNDER TRAIL	\$3,350.00
			CLEAN OUT WASHED ROCKS FROM PIPE RUNNING UNDER THE TRAIL	\$750.00
			RESTORATION TO INCLUDE SEEDING, SOD, MATTING, TOPSOIL, YARD REPAIRS	\$500.00
				\$1,000.00
				\$7,100.00
5	12	COUNTRY HILLS	REMOVE WOODY VEGETATION FROM ENTIRE LENGTH OF OUTLET CHANNEL APP. 200'	
			SW INLET PIPE - CLEAR OUT WOODY VEGETATION AROUND OUTLET END OF PIPE	\$7,500.00
			NW INLET PIPE - INSTALL LARGE RIP RAP AT END OF FES WHERE SCOURING HAS OCCURRED	\$1,500.00
			NE INLET PIPE - INSTALL RIP RAP APRON WITH FABRIC AT END OF GABION IN SCOURED AREA TO THE EDGE OF THE POND	\$2,000.00
			RESTORATION TO INCLUDE SEEDING, SOD, MATTING, TOPSOIL, YARD REPAIRS	\$2,000.00
				\$2,500.00
				\$15,500.00
6	78	VALLEY STREAM	INLET PIPE - CLEAR ALL WOODY VEGETATION AROUND INLET PIPE, REMOVE SEDIMENT BUILD-UP AT END OF INLET PIPE	
			REMOVE WOODY VEGETATION FROM THE BOTTOM OF THE BASIN	\$4,000.00
			REMOVE DEBRIS FROM THE TOP OF THE OUTLET STRUCTURE	\$1,500.00
			CLEAR OUT SEDIMENT BUILD-UP AROUND DEWATERING DEVICE. INSTALL CLEAN 2" - 3" STONE AROUND PERFORATED DEWATERING DEVICE	\$250.00
			CONSIDER INSTALLING A FRAME TYPE TRASH RACK TO REPLACE GRATE TO HELP MINIMIZE CLOGGING	\$750.00
			REMOVE TREES FROM INSIDE OF EMBANKMENT ON THE BASIN SIDE. TREES ON THE STREAM SIDE SHOULD BE LEFT TO KEEP STREAM BANK STABILIZED.	\$375.00
			RESTORATION TO INCLUDE SEEDING, SOD, MATTING, TOPSOIL, YARD REPAIRS	\$1,500.00
				\$1,500.00
				\$9,875.00



MAINTENANCE REQUIREMENTS FOR CITY MAINTAINED STORMWATER MANAGEMENT FACILITIES					
RANK	#	FACILITY NAME	DESCRIPTION OF WORK TO BE COMPLETED	COSTS *	TOTALS
7	81	YORKSHIRE WOODS	FLUSH AND/OR REMOVE SEDIMENT AND LEAVES FROM THE CHAMBER. REMOVE SEDIMENT ACCUMULATION IN FRONT OF OUTFALL TO DITCH REMOVE BRUSH FROM AROUND OUTFALL REPLACE RIP RAP	\$2,500.00 \$1,500.00 \$1,250.00	\$5,250.00
8	45&46	NORTHGATE COMMONS	COMPLETELY REMOVE AND REPLACE STONE.	\$6,500.00	\$6,500.00
9	52	RIDGEWOOD GLEN	REMOVE SELECT TREES FROM THE INLET AND OUTLET AREAS TO MINIMIZE THE OCCURRENCE OF SEDIMENT BUILD UP. SELECTIVE CLEARING OF TREES AND UNDERBRUSH OF INVASIVE SPECIES ON BOTTOM AND ALONG SIDES OF BASIN RESTORATION TO INCLUDE SEEDING, SOD, MATTING, TOPSOIL, YARD REPAIRS	\$15,000.00 \$1,500.00	\$16,500.00
10	43	MIDDLE RUN MEADOW	INLET CMP TO STRUCTURE PARTIALLY CRUSHED. STRUCTURE IS STARTING TO RUST AND SHOULD BE RECOATED WITH A RUSTPROOFING PAINT OR COMPOUND REMOVE WOODY VEGETATION ON EMBANKMENT BEHIND RETAINING WALL CONSIDER RETROFITTING WITH GABION BASKET IN FRONT OF INLET CMP OR INSTALLING DIVERTER BAFFLES (CONCRETE OR WOOD) TO LENGTHEN FLOW PATH TO OUTLET RESTORATION TO INCLUDE SEEDING, SOD, MATTING, TOPSOIL, YARD REPAIRS	\$2,000.00 \$2,500.00 \$3,500.00 \$1,000.00	\$9,000.00
11	27	HUNT AT LOUVIERS, DETENTION BASIN # 1	THE LOW FLOW CHANNEL IS CLOGGED AND NEEDS TO BE CLEANED OUT, THE PIPE IS HOLDING WATER CONSIDER RETROFITTING INLET END OF POND BY INSTALLING A FOREBAY WITH A RIP RAPPED STONE SEPARATOR FOR REMOVING SEDIMENT ACCUMULATION BEFORE IT CAN BE TRANSPORTED TO OTHER AREAS OF THE POND AND/OR INSTALL DEFLECTORS.	\$2,500.00 \$7,500.00	

MAINTENANCE REQUIREMENTS FOR CITY MAINTAINED STORMWATER MANAGEMENT FACILITIES			
RANK	#	FACILITY NAME	TOTALS
		DESCRIPTION OF WORK TO BE COMPLETED	COSTS *
		RESTORATION TO INCLUDE SEEDING, SOD, MATTING, TOPSOIL, YARD REPAIRS	\$1,500.00
			\$11,500.00
12	26	HUNT AT LOUVIERS DETENTION BASIN # 3 CONSIDER RETROFITTING INLET END OF POND BY INSTALLING A FOREBAY WITH A RIP RAPPED STONE SEPARATOR FOR REMOVING SEDIMENT ACCUMULATION BEFORE IT CAN BE TRANSPORTED TO OTHER AREAS OF THE POND AND/OR INSTALL DEFLECTORS.	\$7,500.00
		OUTFALL FLARED END AND PIPE RUSTING	\$2,000.00
		RESTORATION TO INCLUDE SEEDING, SOD, MATTING, TOPSOIL, YARD REPAIRS	\$1,500.00
			\$11,000.00
13	25	HUNT AT LOUVIERS DETENTION BASIN # 2 CONSIDER RETROFITTING INLET END OF POND BY INSTALLING A FOREBAY WITH A RIP RAPPED STONE SEPARATOR FOR REMOVING SEDIMENT ACCUMULATION BEFORE IT CAN BE TRANSPORTED TO OTHER AREAS OF THE POND AND/ OR INSTALL DEFLECTORS.	\$7,500.00
		THE RIP RAP ON THE OUTFALL SIDE OF THE POND NEEDS TO BE REDISTRIBUTED	\$1,250.00
		RESTORATION TO INCLUDE SEEDING, SOD, MATTING, TOPSOIL, YARD REPAIRS	\$1,500.00
			\$10,250.00
			\$204,950.00
		NOTE: SOME OF THE WORK COULD BE DONE IN HOUSE	
		* SINCE THIS IS A NEW PROGRAM, COSTS ARE VERY APPROXIMATE AND SUBJECT TO CHANGE	

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works

DIVISION: Engineering

PROJECT NO: T-EQSF

PROJECT TITLE: Equipment Replacement Program
--

PROJECT LOCATION:

PROJECT STATUS:

NEW:

IN PREVIOUS PROGRAM: X

IN PROGRESS:

DESCRIPTION:

Planned advance funding accumulated through depreciation to replace essential equipment when necessary.

See attached schedule.

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date	Ongoing	Prelim. Plans Complete					
Est. Useful Life		Survey Completed					
Est. Total Cost		Detail Plans Completed					
First Year in Program		Specifications Completed					
ESTIMATED OPERATING COST		Site Secured					
CLASSIFICATION	AMOUNT	Bids Received					
Personal Services		Contract Awarded					
Non-Pers. Services		Site Prepared					
Capital Outlay		Construction Started					
Total Oper. Cost	-	Construction Complete (%)					
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
EQUIP. REPLACE. FUND			17,000	24,000	36,000	18,000	95,000
							-
							-
							-
TOTAL	-	-	17,000	24,000	36,000	18,000	95,000

**CITY OF NEWARK, DELAWARE**  
**EQUIPMENT REPLACEMENT PROGRAM SCHEDULE 2007-2011**  
**PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISION**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 4/30/2005	EST MILEAGE AT REPL	NORMAL YEARS LIFE	EST YR TO BE REPL	REPLACEMENT COSTS				
								2007	2008	2009	2010	2011
STAFF CARS												
711	2002 Dodge Stratus	03/28/02	13,524	30,492	75,000	8	2010				15,000	
714	2001 Dodge Ram Pickup	02/09/01	22,253	28,718	75,000	8	2009			24,000		
735	2002 Dodge Ram Pickup	04/26/02	12,973	19,715	80,000	10	2012					
INSPECTORS												
700	2001 Jeep Cherokee 4X4	03/16/01	18,814	19,330	65,000	9	2010				21,000	
748	2003 Chevrolet Pickup	06/06/03	12,488	10,366	50,000	9	2012					
715	2003 Dodge Ram Pickup	09/13/02	14,980	9,997	65,000	9	2011					18,000
SURVEY VAN												
746	1996 Ford Cargo Van	06/14/96	13,487	57,998	45,000	11	2008		17,000			
TOTAL ENGINEERING DIVISION								\$0	\$17,000	\$24,000	\$36,000	\$18,000

Note: Replacement costs may reflect a 20% increase over purchase price.

CITY OF NEWARK  
CAPITAL IMPROVEMENTS PROGRAM 2007-2011  
PUBLIC WORKS DEPARTMENT-MAINTENANCE FUND

	PREVIOUSLY		DEPARTMENT REQUEST 2007	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					TOTAL
	ALLOCATED FUNDS PRIOR YEARS	2006 BUDGET		2007	2008	2009	2010	2011	
M9503 Garage Complex Improvements	\$96,354	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MEQSF Equipment Replacement Program	0	0	0	0	0	0	0	0	0
Total Public Works-Maintenance Fund	\$96,354	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CURRENT RESOURCES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CAPITAL RESERVES	96,354	0	0	0	0	0	0	0	0
EQUIPMENT REPLACEMENT	0	0	0	0	0	0	0	0	0
BOND ISSUES	0	0	0	0	0	0	0	0	0
GRANTS	0	0	0	0	0	0	0	0	0
OTHER FINANCING SOURCES	0	0	0	0	0	0	0	0	0
	\$96,354	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works

DIVISION: Maintenance

PROJECT NO: M9503

PROJECT TITLE: Phillips Avenue Garage Improvement

PROJECT LOCATION: City Maintenance Yard

PROJECT STATUS:

NEW:

IN PREVIOUS PROGRAM: X

IN PROGRESS:

DESCRIPTION:

- |   |      |
|---|------|
| 1) Install showers in Maintenance Yard office building (\$20,000)           | 2006 |
| 2) Provide material storage sheds per NPDES Phase II Regulations (\$50,000) | 2007 |
| 3) Replace existing 5 stall shed by 30 feet wide (\$50,000)                 | 2008 |

### SUMMARY OF PROJECT DATA

### PROGRESS SCHEDULE:

Est. Completion Date	2005	Prelim. Plans Complete	3/95
Est. Useful Life	20 Yrs.	Survey Completed	
Est. Total Cost	\$176,000	Detail Plans Completed	
First Year in Program	1996	Specifications Completed	
<b>ESTIMATED OPERATING COST</b>		Site Secured	
<b>CLASSIFICATION</b>	<b>AMOUNT</b>	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay	\$1,000	Construction Started	
Total Oper. Cost	\$1,000	Construction Complete (%)	

### PLANNED FINANCING OF PROJECT

SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
MAINTENANCE FUND		-	-				-
CAPITAL PROJECTS FUND (M9902)	51,980						-
INTERNAL SERVICE FUND	44,374						-
							-
<b>TOTAL</b>	<b>96,354</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works		DIVISION: Maintenance	
PROJECT NO: M-EQSF	PROJECT TITLE: Equipment Replacement Schedule		
PROJECT LOCATION:			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM: X	IN PROGRESS:
DESCRIPTION: Planned advance funding accumulated through depreciation to replace essential equipment when necessary. See attached schedule.			

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date	Ongoing		Prelim. Plans Complete				
Est. Useful Life			Survey Completed				
Est. Total Cost			Detail Plans Completed				
First Year in Program			Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services			Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost			Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
EQUIP. REPLACE. FUND			-				-
							-
							-
							-
TOTAL	-	-	-	-	-	-	-

**CITY OF NEWARK, DELAWARE**  
**EQUIPMENT REPLACEMENT PROGRAM SCHEDULE 2007-2011**  
**PUBLIC WORKS DEPARTMENT, MAINTENANCE DIVISION**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 4/30/2005	EST MILEAGE AT REPL	NORMAL YEARS LIFE	EST YR TO BE REPL	REPLACEMENT COSTS				
								2007	2008	2009	2010	2011
617	BUILDINGS & GROUNDS 2004 Ford E250 Van	07/08/04	14,196	4,017	64,000	8	2012					
650	MECHANICS 2006 Ford E350 Pickup Truck	01/19/06	17,980	0	89,000	10	2016					
TOTAL MAINTENANCE DIVISION								\$0	\$0	\$0	\$0	\$0



CITY OF NEWARK  
CAPITAL IMPROVEMENTS PROGRAM 2007-2011  
POLICE DEPARTMENT-GENERAL FUND

	PREVIOUSLY		DEPARTMENT REQUEST 2007	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					TOTAL
	ALLOATED FUNDS PRIOR YEARS	2006 BUDGET		2007	2008	2009	2010	2011	
C0701 Building Security/Card Access System	\$0	\$0	\$43,650	\$43,650	\$0	\$0	\$0	\$0	\$43,650
C0702 Laboratory Fuming Chamber	0	0	0	0	11,000	0	0	0	11,000
C0703 Laboratory Counter Top	0	0	6,000	6,000	0	0	0	0	6,000
C0704 Police Station Cooling Tower Replacement	0	0	25,000	25,000	0	0	0	0	25,000
C0601 Vehicle Mounted Radar Units	0	11,600	11,600	11,600	0	0	0	0	11,600
C0501 Physical Fitness Equipment	1,962	0	0	0	6,000	0	0	0	6,000
C0403 Mobile Command Post	0	0	0	0	100,000	0	0	0	100,000
C0103 Carpet Replacement	0	0	6,700	6,700	0	0	0	0	6,700
CEQSF Equipment Replacement Program	16,347	0	0	0	232,000	84,000	166,000	136,000	618,000
Total Police	\$18,309	\$11,600	\$92,950	\$92,950	\$349,000	\$84,000	\$166,000	\$136,000	\$827,950
CURRENT RESOURCES	\$0	\$11,600	\$86,950	\$86,950	\$91,000	\$0	\$0	\$0	\$177,950
CAPITAL RESERVES	1,962	0	0	0	0	0	0	0	0
EQUIPMENT REPLACEMENT	16,347	0	0	0	232,000	84,000	166,000	136,000	618,000
BOND ISSUES	0	0	0	0	0	0	0	0	0
GRANTS	0	0	6,000	6,000	26,000	0	0	0	32,000
OTHER FINANCING SOURCES	0	0	0	0	0	0	0	0	0
	\$18,309	\$11,600	\$92,950	\$92,950	\$349,000	\$84,000	\$166,000	\$136,000	\$827,950

## GOAL STATEMENT

### POLICE DEPARTMENT

The Newark Police Department exists to preserve life and property, to enforce the law, to solve community problems, and to protect the right of all citizens to live in a safe, peaceful environment. To accomplish these broad goals, the Department continues to enhance police operations through efficient and effective delivery of services. The Capital Improvement Program supports the police operation by providing funding which allows the Department to purchase major equipment items to improve the delivery of police services and ensure the safety of the citizens and Police Department employees.

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: POLICE	DIVISION:
PROJECT NO: C07-01	PROJECT TITLE: BUILDING SECURITY/CARD ACCESS SYSTEM
PROJECT LOCATION: POLICE DEPARTMENT	
PROJECT STATUS: NEW: <input checked="" type="checkbox"/> IN PREVIOUS PROGRAM: <input type="checkbox"/> IN PROGRESS: <input type="checkbox"/>	

DESCRIPTION: The Police Department's security door system was installed 13 years ago and had to be updated in 2000 because it was determined that the system was not Y2K compliant. At that time, the upgrade was made part of the equipment depreciation schedule with a life expectancy of 10 years, and a cost basis of \$29,722.58. Significant problems have been encountered over the past several years and because the provider is located in Florida, repairs/service can take as long as two months during which time the affected door(s) must be propped open, negating the security of the police facility. Repairs have become frequent and costly, and it is recommended that the entire system be replaced with a Windows based operating system that integrates the video and alarm features to enhance building security. The cost of a new system will exceed the funds allocated in the depreciation schedule. (See Attached)

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE	
Est. Completion Date	2007	Prelim. Plans Complete	
Est. Useful Life	15 yrs	Survey Completed	
Est. Total Cost	60,000	Detail Plans Completed	
First Year in Program		Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete(%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND		\$43,650					\$43,650
CAPITAL RESERVE							
EQUIP. REPLACEMENT	\$16,347						
GRANTS (BLOCK/SALLE							
TOTAL	\$16,347	\$43,650					\$43,650

**CITY OF NEWARK, DELAWARE**  
**CAPITAL BUDGET - PROJECT DETAIL**

DEPARTMENT: POLICE	DIVISION:
PROJECT NO: C07-02	PROJECT TITLE: LABORATORY FUMING CHAMBER
PROJECT LOCATION: POLICE DEPARTMENT	
PROJECT STATUS: NEW:    x    IN PREVIOUS PROGRAM:                    IN PROGRESS:	
DESCRIPTION: The current fuming chamber is outdated and limits the evidence technician's ability to obtain quality fingerprints because of its size. It is recommended that the Department purchase a model that is ductless and requires no installation to enhance identification of latent fingerprints.	

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE	
Est. Completion Date	2007	Prelim. Plans Complete	
Est. Useful Life	10 yrs	Survey Completed	
Est. Total Cost	\$11,000	Detail Plans Completed	
First Year in Program	2007	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete(%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND			\$11,000				\$11,000
CAPITAL RESERVE							
EQUIPMENT REPLACEMENT							
GRANTS (BLOCK/SALLE							
TOTAL			\$11,000				\$11,000

**CITY OF NEWARK, DELAWARE**  
**CAPITAL BUDGET - PROJECT DETAIL**

DEPARTMENT: POLICE	DIVISION:
PROJECT NO: C07-03	PROJECT TITLE: LABORATORY COUNTERTOP
PROJECT LOCATION: POLICE DEPARTMENT	
PROJECT STATUS: NEW: x    IN PREVIOUS PROGRAM:    IN PROGRESS:	
DESCRIPTION: The countertop in the evidence laboratory is made of wood and is not conducive to evidence processing because of its ability to hold biological pathogens. It is recommended that the countertop be replaced with a stainless steel countertop, which can be easily sanitized.	

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE	
Est. Completion Date	2007	Prelim. Plans Complete	
Est. Useful Life	10 yrs	Survey Completed	
Est. Total Cost	\$6,000	Detail Plans Completed	
First Year in Program	2007	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete(%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND							
CAPITAL RESERVE							
EQUIPMENT REPLACEMENT							
GRANTS (BLOCK/SALLE		\$6,000					\$6,000
TOTAL		\$6,000					\$6,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: POLICE		DIVISION:	
PROJECT NO: C0704	PROJECT TITLE: POLICE STATION COOLING TOWER REPLACEMENT		
PROJECT LOCATION: POLICE STATION			
PROJECT STATUS:	NEW: X	IN PREVIOUS PROGRAM:	IN PROGRESS:
DESCRIPTION: THE POLICE STATION HVAC COOLING TOWER IS THIRTEEN YEARS OLD AND IS IN NEED OF REPLACEMENT.			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	2007	Prelim. Plans Complete	4/06
Est. Useful Life	20 YEARS	Survey Completed	
Est. Total Cost	25,000	Detail Plans Completed	
First Year in Program	2007	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND		25,000					25,000
TOTAL		25,000					25,000

**CITY OF NEWARK, DELAWARE**  
**CAPITAL BUDGET - PROJECT DETAIL**

DEPARTMENT: POLICE		DIVISION:
PROJECT NO: C0601	PROJECT TITLE: VEHICLE MOUNTED RADAR UNITS	
PROJECT LOCATION: POLICE DEPARTMENT		
PROJECT STATUS: NEW:            IN PREVIOUS PROGRAM:            IN PROGRESS: x		
DESCRIPTION: The Newark Police Department relies on a mixed system of handheld and vehicle mounted radar units to conduct speed enforcement in the city. In an effort to increase speed enforcement efforts, it would be necessary to purchase a mounted radar unit for each patrol car.		

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE	
Est. Completion Date	2007	Prelim. Plans Complete	
Est. Useful Life	5 yrs	Survey Completed	
Est. Total Cost	\$23,210	Detail Plans Completed	
First Year in Program	2006	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete(%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND	\$11,600	\$11,600					\$11,600
CAPITAL RESERVE							
EQUIPMENT SINKING							
GRANTS (BLOCK/SALLE							
TOTAL	\$11,600	\$11,600					\$11,600

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: POLICE		DIVISION:
PROJECT NO: C05-01	PROJECT TITLE: PHYSICAL FITNESS EQUIPMENT	
PROJECT LOCATION: POLICE DEPARTMENT		
PROJECT STATUS: NEW:            IN PREVIOUS PROGRAM: XX    IN PROGRESS:		
DESCRIPTION: Additional funds are needed to replace the free weights and storage rack. In an effort to continue improving the fitness equipment in the police facility fitness, the additional of an elliptical cross trainer would provide a cardiovascular machine that would appeal to a variety of users. The police fitness center is open 24 hours a day/seven days a week and is utilized by all city employees and their guests.		

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE	
Est. Completion Date	2007	Prelim. Plans Complete	
Est. Useful Life	10 yrs	Survey Completed	
Est. Total Cost		Detail Plans Completed	
First Year in Program	2005	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete(%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND							\$6,000
CAPITAL RESERVE	\$1,962						
EQUIPMENT REPLACEMENT							
GRANTS (BLOCK/SALLE)			\$6,000				
TOTAL	\$1,962		\$6,000				\$6,000



**CITY OF NEWARK, DELAWARE**  
**CAPITAL BUDGET - PROJECT DETAIL**

DEPARTMENT: POLICE	DIVISION:
PROJECT NO: C0403	PROJECT TITLE: MOBILE COMMAND POST

PROJECT LOCATION: POLICE DEPARTMENT

PROJECT STATUS: NEW: IN PREVIOUS PROGRAM: xx IN PROGRESS:

DESCRIPTION: Funding provided to purchase a vehicle that can be utilized as a command post for emergency/unusual occurrences. The vehicle would contain workstations with communications equipment and storage space for emergency operations equipment. It would be used at the scene of natural or manmade disasters, homeland Security, DUI checkpoints, community events, and any event where a central point of contact near the scene is necessary for efficient command and control. Available grant money could be use to help defray the cost.

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE	
Est. Completion Date	2008	Prelim. Plans Complete	
Est. Useful Life	15 yrs.	Survey Completed	
Est. Total Cost	100,000	Detail Plans Completed	
First Year in Program	2004	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete(%)	

**PLANNED FINANCING OF PROJECT**

SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND			\$80,000				\$ 80,000
CAPITAL PROJECT FUND							
EQUIPMENT REPLACEMENT							
GRANTS (BLOCK/SALLE			\$20,000				\$ 20,000
TOTAL			\$100,000				\$100,000

**CITY OF NEWARK, DELAWARE**  
**CAPITAL BUDGET - PROJECT DETAIL**

DEPARTMENT: POLICE		DIVISION:
PROJECT NO: C0103	PROJECT TITLE: CARPET REPLACEMENT	
PROJECT LOCATION: POLICE DEPARTMENT		
PROJECT STATUS: NEW:      IN PREVIOUS PROGRAM: XX      IN PROGRESS:		
DESCRIPTION: Over the past four years, various areas of the Police Department have required carpet replacement. Work has been completed in the roll call room, report writing room, sergeants' office, traffic office, records second floor hallway/lobby. Funding would allow additional carpet/tile replacement in areas not previously replaced and complete new flooring on 1 <sup>st</sup> and 2 <sup>nd</sup> floors of facility.		

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE	
Est. Completion Date	2007	Prelim. Plans Complete	
Est. Useful Life	10-15yr	Survey Completed	
Est. Total Cost	\$22,000	Detail Plans Completed	
First Year in Program	2001	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete(%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2020	2011	TOTAL
GENERAL FUND		\$6,700					\$6700
CAPITAL PROJECT FUND							
EQUIPMENT REPLACEMENT							
GRANTS (BLOCK/SALLE							
TOTAL		\$6,700					\$6,700

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: POLICE		DIVISION:
PROJECT NO: C-EQSF	PROJECT TITLE: Equipment Replacement Program	
PROJECT LOCATION: POLICE DEPARTMENT		
PROJECT STATUS: NEW:      IN PREVIOUS PROGRAM:      xx      IN PROGRESS:		
DESCRIPTION:  Planned advance funding accumulated through depreciation to replace essential equipment when necessary. See attached schedule.		

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE	
Est. Completion Date		Prelim. Plans Complete	
Est. Useful Life		Survey Completed	
Est. Total Cost		Detail Plans Completed	
First Year in Program		Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete(%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
EQUIPMENT REPLACEMENT			\$232,000	\$84,000	\$166,000	\$136,000	\$618,000
TOTAL			\$232,000	\$84,000	\$166,000	\$136,000	\$618,000

**CITY OF NEWARK, DELAWARE**  
**EQUIPMENT REPLACEMENT PROGRAM SCHEDULE 2007-2011**  
**POLICE DEPARTMENT**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 5/1/2005	EST MILEAGE AT REPL	NORMAL YEARS LIFE	EST YR TO BE REPL	REPLACEMENT COSTS				
								2007	2008	2009	2010	2011
STAFF CARS												
921	2003 Ford Crown Victoria	07/02/03	19,938	11,959	65,000	7	2010					
924	2004 Ford Crown Victoria	04/07/04	19,789	8,538	65,000	7	2011				22,000	
927	1997 Ford Crown Victoria	10/03/97	19,258	65,546	75,000	8	2006					23,000
PATROL												
900	2001 Ford Crown Victoria	03/09/01	20,253	72,168	75,000	5	2006					
918	2004 Ford Crown Victoria	05/06/04	19,789	21,901	75,000	3	2008	21,000				
923	2005 Ford Crown Victoria	03/21/05	23,977	0	75,000	5	2010				26,000	
925	2004 Ford Crown Victoria	05/06/04	19,789	22,617	75,000	5	2009		21,000			
910	2004 Ford Crown Victoria	05/06/04	19,789	14,894	75,000	5	2009		21,000			
905	2003 Ford Crown Victoria	05/24/02	20,293	64,610	75,000	4	2008	21,000				
914	2005 Ford Crown Victoria	03/21/05	23,255	0	75,000	5	2010				26,000	
926	2005 Ford Crown Victoria	03/21/05	23,977	0	75,000	5	2010				26,000	
928	2005 Ford Crown Victoria	03/21/05	23,977	0	75,000	3	2008	25,000				
929	1999 Ford Crown Victoria	07/30/99	19,617	62,069	75,000	4	2008	21,000				
906	2003 Ford Crown Victoria	05/24/02	20,293	53,580	75,000	5	2008	21,000				
907	2001 Ford Crown Victoria	03/09/01	20,253	67,379	75,000	5	2006					
909	2001 Ford Crown Victoria	03/09/01	20,253	85,159	75,000	4	2006					
915	2004 Ford Crown Victoria	05/06/04	19,789	57,880	75,000	5	2009		21,000			
931	2003 Dodge Durango	05/23/03	19,000	27,069	75,000	4	2008	21,000				
991	1998 Dodge Ram F15 Pickup	03/20/98	23,950	64,197	75,000	9	2008	21,000				
CRIMINAL												
912	2003 Ford Crown Victoria	07/02/03	19,938	15,324	65,000	7	2010					
922	2003 Ford Crown Victoria	05/24/02	20,293	26,038	65,000	7	2009		21,000		22,000	
920	1999 Ford Crown Victoria	07/30/99	19,617	47,600	75,000	8	2008	21,000				
913	2003 Ford Crown Victoria	07/02/03	19,938	23,560	65,000	7	2010				22,000	
911	2003 Ford Crown Victoria	07/02/03	19,938	11,623	65,000	7	2010				22,000	
932	2004 Ford 15 Passenger Van	03/19/04	19,307	2,129	75,000	7	2011				22,000	
990	1986 Ford Van	05/02/86	10,760	N/A	--	N/A	N/A					23,000
992	1995 Pontiac Bonneville	03/19/04	738	55,073	--	N/A	N/A					
TRAFFIC												
908	2003 Dodge Durango	05/23/03	19,000	32,709	75,000	5	2008	21,000				
934	2006 Dodge Durango	03/02/06	21,545	0	75,000	5	2011				25,000	
916	2003 Chevrolet S-10 Pickup	06/06/03	12,338	28,487	80,000	8	2011				14,000	
917	2001 Ford Crown Victoria	03/09/01	20,253	100,516	75,000	5	2006					
919	2001 Chevrolet S-10 Pickup	04/27/01	13,764	54,490	80,000	6	2008					
902	2004 Harley Davidson	05/17/04	14,234	248	80,000	8	2011	18,000				17,000
903	2004 Harley Davidson	05/17/04	14,234	370	80,000	8	2011					17,000
904	2004 Harley Davidson	05/17/04	14,234	208	80,000	8	2011					17,000
930	2003 Ford Crown Victoria	05/24/02	20,293	40,470	75,000	5	2008	21,000				
OTHER												
TOTAL POLICE DEPARTMENT												
								\$0	\$232,000	\$84,000	\$166,000	\$136,000

(a) Includes Trailer & Accessories Costing \$6,612.

(b) To be replaced in 2006

Note: Replacement costs may reflect a 20% increase over purchase price.

CITY OF NEWARK  
CAPITAL IMPROVEMENTS PROGRAM 2007-2011  
PARKS & RECREATION DEPARTMENT-GENERAL FUND

	PREVIOUSLY		DEPARTMENT REQUEST	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING						TOTAL
	ALLOCATED FUNDS			2007	2008	2009	2010	2011		
	PRIOR YEARS	BUDGET								
K0701	\$0	\$0	\$8,500	\$8,500	\$6,000	\$0	\$0	\$0	\$14,500	
K0702	0	0	0	0	16,500	0	0	0	16,500	
K0703	0	0	0	0	5,000	0	0	0	5,000	
K0704	0	0	0	0	0	15,000	0	0	15,000	
K0705	0	0	0	0	0	0	0	19,000	19,000	
K0706	0	0	3,800	3,800	0	0	0	0	3,800	
K0707	0	0	18,000	18,000	0	0	0	0	18,000	
K0708	0	0	0	0	0	43,000	0	0	43,000	
K0603	0	0	0	0	32,000	0	0	0	32,000	
K0604	0	0	0	0	0	50,000	0	0	50,000	
K0605	0	0	0	0	0	0	55,000	0	55,000	
K0606	0	0	0	0	22,000	0	0	0	22,000	
K0501	0	0	18,000	18,000	0	0	0	0	18,000	
K0305	20,000	0	0	0	0	0	0	0	0	
K9202	13	53,500	36,000	36,000	32,000	115,000	39,000	115,000	337,000	
KEQSF	213,000	0	0	0	235,500	77,000	26,000	94,000	432,500	
	<u>\$233,013</u>	<u>\$53,500</u>	<u>\$84,300</u>	<u>\$84,300</u>	<u>\$349,000</u>	<u>\$300,000</u>	<u>\$120,000</u>	<u>\$228,000</u>	<u>\$1,081,300</u>	
CURRENT RESOURCES	\$0	\$53,500	\$84,300	\$84,300	\$113,500	\$223,000	\$94,000	\$134,000	\$648,800	
CAPITAL RESERVES	20,013	0	0	0	0	0	0	0	0	
EQUIPMENT REPLACEMENT	213,000	0	0	0	235,500	77,000	26,000	94,000	432,500	
BOND ISSUES	0	0	0	0	0	0	0	0	0	
GRANTS	0	0	0	0	0	0	0	0	0	
OTHER FINANCING SOURCES	0	0	0	0	0	0	0	0	0	
	<u>\$233,013</u>	<u>\$53,500</u>	<u>\$84,300</u>	<u>\$84,300</u>	<u>\$349,000</u>	<u>\$300,000</u>	<u>\$120,000</u>	<u>\$228,000</u>	<u>\$1,081,300</u>	

## **GOAL STATEMENTS PARKS AND RECREATION DEPARTMENT**

### **Short Range Goals 2007**

- Continue to work with Administrative staff to study and evaluate the concept of rehabilitating the Old Paper Mill site into a functional multi-use community facility and park. At the same time, in place of or in addition to the Paper Mill site, evaluate the concept of expanding the Wilson Center to add a gymnasium/large multi-purpose room.
- Continue to work with Administrative staff, DelDOT, the University of Delaware and DNREC (Parks Division) on the development of the Pomeroy Trail.
- Create a Landscape Plan for the reservoir and plan for installation in two (2) phases, Phase I in 2007 and Phase II in 2008.

### **Long Range Goals 2008-2011**

- Continue to evaluate our park system and operations so as to provide safe, challenging and enjoyable areas and facilities for the residents of Newark.
- Continue to work with the Public Works Department and various state and county agencies relating to the Christina Creek to remediate areas of concern.

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:
PROJECT NO: K0701	PROJECT TITLE: Landscaping	
PROJECT LOCATION: Reservoir		
PROJECT STATUS:	NEW: X	IN PREVIOUS PROGRAM: IN PROGRESS:

**DESCRIPTION:**

Phase I (2007)- Parking Lot Area. Phase II (2008)- All other areas along Old Paper Mill Road and the east and west sides of the property.  
**NOTE:** Phase I will also include the installation (contractually) of a post and rail fence along the entrance drive and around the parking lot. Installation will be done by staff and volunteers.

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date	2008		Prelim. Plans Complete				
Est. Useful Life	30 Years		Survey Completed				
Est. Useful Life	\$14,500		Detail Plans Completed				
First Year in Program	2007		Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services			Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost			Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND		8,500	6,000				14,500
							-
							-
							-
TOTAL		8,500	6,000		-	-	14,500

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:
PROJECT NO: K0702	PROJECT TITLE: Vehicle 1415 (Jacobsen 16' Cut Mower)	
PROJECT LOCATION:		
PROJECT STATUS:	NEW: X	IN PREVIOUS PROGRAM: IN PROGRESS:
DESCRIPTION: This mower was originally scheduled for replacement in 2007. It is in good enough condition to hold on to for another year. During our review of this unit we contacted the manufacturer for a price update. The estimated cost to replace the mower in 2008 is \$85,000. With the allowable trade-in value (\$8,000) of the existing mower, I will need an additional \$16,500.		

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	2008	Prelim. Plans Complete	
Est. Useful Life	5 Years	Survey Completed	
Est. Total Cost	\$85,000	Detail Plans Completed	
First Year in Program	2007	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND			16,500				16,500
Equipment Replacement Fund	60,500						-
							-
							-
TOTAL	60,500	-	16,500		-	-	16,500



# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:
PROJECT NO: K0703	PROJECT TITLE: Vehicle 1423 (Kubota Mower with Cab)	
PROJECT LOCATION:		
PROJECT STATUS:	NEW: X	IN PREVIOUS PROGRAM: IN PROGRESS:
DESCRIPTION: This mower was originally scheduled for replacement in 2007. It is not in the best condition, however, we are going to try to extend its use through 2007. During our review of this unit we contacted the manufacturer for a price update. The estimated cost to replace the mower in 2008 is \$26,000. With the allowable trade-in value (\$2500) of the existing mower, I will need an additional \$5,000.		

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date Est. Useful Life Est. Total Cost First Year in Program	2008	Prelim. Plans Complete					
	5 Years	Survey Completed					
	\$26,000	Detail Plans Completed					
	2007	Specifications Completed					
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT	Bids Received					
Personal Services		Contract Awarded					
Non-Pers. Services		Site Prepared					
Capital Outlay		Construction Started					
Total Oper. Cost		Construction Complete (%)					
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND			5,000				5,000
Equipment Replacement Fund	18,500						-
							-
							-
TOTAL	18,500	-	5,000		-	-	5,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:
PROJECT NO: K0704	PROJECT TITLE: Vehicle 1414 (Jacobsen 16' Cut Mower)	
PROJECT LOCATION:		
PROJECT STATUS:	NEW: X	IN PREVIOUS PROGRAM: IN PROGRESS:
DESCRIPTION: During our review of Vehicle #1415 (Jacobsen 16' Cut Mower) we found that the estimated replacement cost in 2009 will be approximately \$85,000. With the estimated trade-in value (\$8000) of the existing mower, I will need an additional \$15,000.		

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	2009	Prelim. Plans Complete	
Est. Useful Life	5 Years	Survey Completed	
Est. Total Cost	\$85,000	Detail Plans Completed	
First Year in Program	2007	Specifications Completed	
<b>ESTIMATED OPERATING COST</b>		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND				15,000			15,000
Equipment Replacement Fund	60,000						-
							-
							-
TOTAL	60,000	-	-	15,000	-	-	15,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation      DIVISION:

PROJECT NO: K0705      PROJECT TITLE: Vehicle 1461 (Landscape Loader)

PROJECT LOCATION:

PROJECT STATUS:      NEW: X      IN PREVIOUS PROGRAM:      IN PROGRESS:

DESCRIPTION:  
During our review of the vehicle equipment replacement program we found that the estimated replacement cost for this unit (in 2011) will be approximately \$101,000. With the estimated trade-in value (\$8000) of the existing loader, I will need an additional \$31,000.

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	2011	Prelim. Plans Complete	
Est. Useful Life	10 Years	Survey Completed	
Est. Total Cost	\$101,000	Detail Plans Completed	
First Year in Program	2007	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND						19,000	19,000
Equipment Replacement Fund	74,000						-
							-
							-
TOTAL	74,000	-	-		-	19,000	19,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:	
PROJECT NO: K0706	PROJECT TITLE: Snow Blower Attachment for Kubota Tractor		
PROJECT LOCATION:			
PROJECT STATUS:	NEW: X	IN PREVIOUS PROGRAM:	IN PROGRESS:
DESCRIPTION: I want to purchase this second snowblower unit for our Kubota Tractors. We purchased one three (3) years ago and it has provided us with a very efficient sidewalk and trail snow removal unit. With nearly nine (9) miles of sidewalks and hard surface trails, this second unit will better enable us to clear the snow in a more timely fashion.			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	2007	Prelim. Plans Complete	
Est. Useful Life	10 Years	Survey Completed	
Est. Total Cost	\$3,800	Detail Plans Completed	
First Year in Program	2007	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND		3,800					3,800
							-
							-
							-
TOTAL		3,800	-		-	-	3,800

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:
PROJECT NO: K0707	PROJECT TITLE: Entrance Gate	
PROJECT LOCATION: Rittenhouse Park		
PROJECT STATUS:	NEW: X	IN PREVIOUS PROGRAM: IN PROGRESS:
DESCRIPTION: Based on citizen and council members suggestion/request, I'd like to install a gate (similar to the one at Folk Park) at the West Chestnut Hill Road entrance to Rittenhouse Park. The gate will operate on a timer to raise at dawn and lower at dusk to restrict vehicle access after hours. This will help considerably with security.		

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date	2007		Prelim. Plans Complete				
Est. Useful Life	15 Years		Survey Completed				
Est. Total Cost	\$18,000		Detail Plans Completed				
First Year in Program	2007		Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services			Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost			Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND		18,000					18,000
							-
							-
							-
TOTAL		18,000	-		-	-	18,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation	DIVISION:
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PROJECT NO: K0708	PROJECT TITLE: Tree Pit Rehabilitation
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PROJECT LOCATION: Main Street

PROJECT STATUS:            NEW: X            IN PREVIOUS PROGRAM:            IN PROGRESS:

DESCRIPTION:  
I want to rehabilitate the forty-four (44) tree pits on Main Street. The majority of the pits are being compromised by foot traffic. The lirioppe has been trampled and the soil is being compacted to the point that there will be an impact on the trees long term health. I am considering a couple of options that provide a healthier situation for the trees and be far more aesthetically pleasing.

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	2009	Prelim. Plans Complete	
Est. Useful Life	20 Years	Survey Completed	
Est. Total Cost	\$43,000	Detail Plans Completed	
First Year in Program	2007	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND				43,000			43,000
							-
							-
							-
TOTAL		-	-	43,000	-	-	43,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks & Recreation	DIVISION:
PROJECT NO: K0603	PROJECT TITLE: JFH Trail Connector

PROJECT LOCATION: Phillips Park

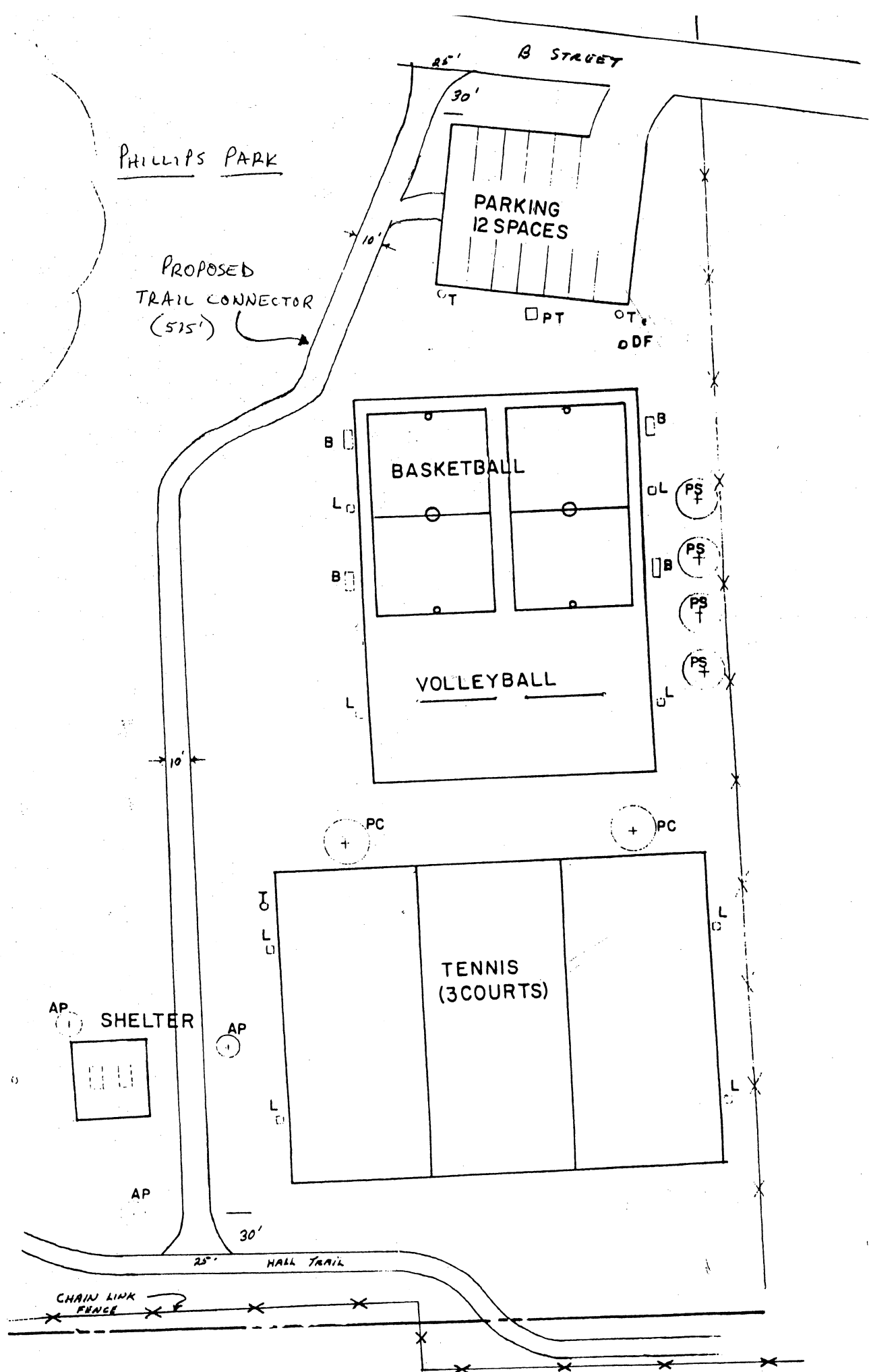
PROJECT STATUS: NEW: IN PREVIOUS PROGRAM: X IN PROGRESS:

**DESCRIPTION:**

The JFH Trail has become an incredibly popular exercise facility and transportation link. With more and more people using the trail I see the need to provide access from a parking area, particularly on the western end of the trail. The parking lot at Phillips Park provides a perfect link. I'd like to add a hard surface connector trail through the park (see attached) to the Hall Trail. The proposed connector will be 10' wide and built to the same specifications as the Hall Trail.

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	2008	Prelim. Plans Complete	
Est. Useful Life	20 Years	Survey Completed	
Est. Total Cost	\$32,000	Detail Plans Completed	
First Year in Program	2006	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND			32,000				32,000
							-
							-
							-
TOTAL	-	-	32,000	-	-	-	32,000





# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:	
PROJECT NO: K0604	PROJECT TITLE: Kershaw Park - Trail Improvements		
PROJECT LOCATION: Kershaw Park			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM: X	IN PROGRESS:
DESCRIPTION: Create a hard surface link to the Pomeroy Trail through Kershaw Park. Will work with DelDOT and Delaware State Parks (DLWCTF) for possible funding assistance.			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	2009	Prelim. Plans Complete	
Est. Useful Life	Years	Survey Completed	
Est. Total Cost		Detail Plans Completed	
First Year in Program	2006	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND				50,000			50,000
							-
							-
							-
TOTAL	-	-	-	50,000	-	-	50,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:	
PROJECT NO: K0605	PROJECT TITLE: Enlarge Vehicle Storage Pole Shed		
PROJECT LOCATION: Park Maintenance Area at City Yard			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM: X	IN PROGRESS:
DESCRIPTION: I would like to expand the pole shed from five (5) to seven (7) bays and extend the roof forward/out another 8" to 10". I want to get to the point of parking all of our Parks vehicles and large mowers under the pole shed, out of the weather, protecting them from the elements to preserve and extend their useful life. The two bay addition would also include the surface sub-base and asphalt finish. In it's present state, when vehicles are parked under the pole shed, approximately one fourth of the vehicle extends past the roof line. We often load event and program supplies on trucks one day in advance and back them under this shed. The extended front roof line will more adequately prevent rain from reaching the supplies.			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	2010	Prelim. Plans Complete	
Est. Useful Life	40 Years	Survey Completed	
Est. Total Cost	\$55,000	Detail Plans Completed	
First Year in Program	2006	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND					55,000		55,000
							-
							-
							-
TOTAL	-	-	-		55,000	-	55,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:
PROJECT NO: K0606	PROJECT TITLE: Materials Storage Bins	
PROJECT LOCATION: Park Maintenance Storage Areas		
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM: X
IN PROGRESS:		
DESCRIPTION: We currently do not have materials storage bins for top soil, rip rap (large rock), stone and diamond tex (infield mix). Presently we store these materials in piles at the Fairfield site and at the City yard, however, because they aren't stored in clean separate bins, the materials are often contaminated. The construction of the bins will keep each material type clean, self contained, easier to scoop and load and much more sightly. These bins are similar to those installed by the Public Works Department at the City Maintenance Yard.		

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date	2008		Prelim. Plans Complete				
Est. Useful Life	20 Years		Survey Completed				
Est. Total Cost	\$22,000		Detail Plans Completed				
First Year in Program	2006		Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services			Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost			Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND			22,000				22,000
							-
							-
							-
TOTAL	-	-	22,000		-	-	22,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:	
PROJECT NO:	PROJECT TITLE:		
K0501	Subsurface Athletic Field Drainage		
PROJECT LOCATION: Handloff Park			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM: X	IN PROGRESS:

**DESCRIPTION:**

The turf area between the two ball fields holds water after rainfall to the extent that the fields are too soft to use for league play and to mow. This site is our primary adult softball league location from early April through October. This project will permit better drainage thus reducing the need to cancel games due to wet unsafe field conditions and will enable us to cut the grass much sooner following rainfall.

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date	2007		Prelim. Plans Complete				
Est. Useful Life	15 Years		Survey Completed				
Est. Total Cost	\$18,000		Detail Plans Completed				
First Year in Program	2005		Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services			Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost			Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND		18,000					18,000
							-
							-
							-
TOTAL	-	18,000	-		-	-	18,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:	
PROJECT NO: K0305	PROJECT TITLE: Multi Use Facility/Gymnasium		
PROJECT LOCATION: George Wilson Center/Park			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM: X	IN PROGRESS:
DESCRIPTION: This project was approved for funding as part of the 2003-2007 Capital Program. The purpose of this project is to complete preliminary site evaluation, concept sketches and construction cost estimates for a multi-use facility/gymnasium at the George Wilson Center/Park. In that we are currently going through a similar process with the Curtis Paper site, we decided not to move forward with the site evaluation of the Wilson Center at this time. If we move forward with the Paper Mill site, these funds could be used for that project. However, if the Paper Mill project stalls, I would like to shift our efforts back to the Wilson Center.			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date		Prelim. Plans Complete	
Est. Useful Life	60 Years	Survey Completed	
Est. Total Cost	\$20,000	Detail Plans Completed	
First Year in Program	2003	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND							-
CAPITAL PROJECTS FUND	20,000						-
							-
							-
TOTAL	20,000	-	-		-	-	-

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:	
PROJECT NO: K9202	PROJECT TITLE: Rehabilitation of Park Facilities and Equipment		
PROJECT LOCATION: Various			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM: X	IN PROGRESS:
DESCRIPTION: A. Major maintenance and construction of tennis courts. B. Major maintenance of basketball courts and hockey courts. C. Major maintenance of parking lots, trails and sidewalks. D. Park and playground equipment replacement. E. Community Development Block Grant Projects. The major maintenance of park facilities and equipment is important to continue providing safe and usable facilities. The majority of our parks are over thirty years old and some of the facilities are in need of renovation and in some cases equipment replacement is advisable. <div style="text-align: right;"><b>Note:</b> These types of projects are often times eligible for DCWCTF and CDBG Funding. I will continue to pursue these options as we move through the program. See Attached Schedule.</div>			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	Ongoing	Prelim. Plans Complete	
Est. Useful Life	Years	Survey Completed	
Est. Total Cost		Detail Plans Completed	
First Year in Program	1988	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND	53,500	36,000	32,000	115,000	39,000	115,000	337,000
CAPITAL RESERVES	13						-
							-
							-
TOTAL	53,513	36,000	32,000	115,000	39,000	115,000	337,000

**K9202**  
**Rehabilitation of Park Facilities and Equipment**

**A. Major Maintenance to Tennis Courts**

Reseal, Colorcoating and Relining

- 2007 \$19,000 Handloff (3)
- 2008 \$ 0
- 2009 \$46,000 Fairfield (3), Phillips (3), Wilson (1)
- 2010 \$ 0
- 2011 \$ 0

Overlay, Fencing, Colorcoating and Lining

- None in this time frame (2007-2011)

**B. Major Maintenance to Basketball or Street Hockey Courts**

Overlay, Reline and, if needed, Replace Goals

- 2007 \$ 0
- 2008 \$5,000 George Read – Basketball
- 2009 \$32,000 Kells – Basketball/Tennis Wall Area
- 2010 \$20,000 Elan – Basketball
- 2011 \$27,000 Fairfield – Basketball/Pavilion Area

**C. Major Maintenance to Parking Lots, Trails and Sidewalks**

- 2007 \$ 0
- 2008 \$9,000 George Read – Parking Lot
- 2009 \$18,000 Kells – Parking Lot
- 2010 \$ 0
- 2011 \$27,000 Fairfield – Parking Lot and Access Road
- \$42,000 Folk Asphalt Trail

**D. Park and Play Equipment Replacement/Rehabilitation**

We have twenty-two (22) parks where more than sixty (60) play units and other physical structures have been installed. Periodically they must be replaced or retrofitted to meet current safety standards.

- 2007 \$17,000 Handloff – new play unit for ages 2-5
- 2008 \$18,000 Phillips – new play unit for ages 2-5
- 2009 \$19,000 Stafford – new play unit for ages 2-5
- 2010 \$19,000 Various
- 2011 \$19,000 Various

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:
PROJECT NO: KEQSF	PROJECT TITLE: Equipment Replacement Program	
PROJECT LOCATION:		
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM: X
IN PROGRESS:		
DESCRIPTION: Planned advance funding accumulated through depreciation to replace essential equipment/vehicles when necessary. See attached schedule.		

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date		Prelim. Plans Complete	
Est. Useful Life	Years	Survey Completed	
Est. Total Cost		Detail Plans Completed	
First Year in Program		Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND							-
EQUIP REPLACEMENT FUND		-	235,500	77,000	26,000	94,000	432,500
							-
							-
TOTAL	-	-	235,500	77,000	26,000	94,000	432,500



**CITY OF NEWARK, DELAWARE**  
**EQUIPMENT REPLACEMENT PROGRAM SCHEDULE 2007-2011**  
**PARKS AND RECREATION DEPARTMENT**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 4/30/2005	EST MILEAGE AT REPL	NORMAL YEARS LIFE	EST YR TO BE REPL	REPLACEMENT COSTS				
								2007	2008	2009	2010	2011
STAFF CARS & TRUCKS												
1428	2002 Dodge Stratus	03/28/02	13,524	51,310	70,000	7	2009			17,000		
1431	1996 Dodge 3/4 Ton Pick-up (b)	07/19/96	14,421	84,616	50,000	9	2006					
1437	1999 Dodge Minivan	05/28/99	15,551	33,013	70,000	8	2008		18,000			
HORTICULTURE												
1426	2000 Chevy Pick-up	08/25/00	28,947	47,185	64,000	8	2008		30,000			
1435	1998 Ford F-250 Pickup (b)	03/20/98	15,933	79,539	55,000	8	2006					
1440	2003 Chevrolet Pickup	05/23/03	17,238	19,335	85,000	8	2011					20,000
PARK MAINTENANCE												
1430	1999 Ford F-250 SD	06/26/98	20,789	59,565	100,000	9	2008		23,000			
1436	2002 Dodge Ram Pickup	05/03/02	24,053	24,488	85,000	8	2010				26,000	
1434	2002 Chevrolet Pickup	06/13/03	20,032	16,609	85,000	9	2012					
1433	2001 Ford F-550 Dump Truck	11/17/00	52,553	27,834	70,000	8	2008		55,000			
1439	1996 Dodge 3/4 Ton Pick-up (a)	07/19/96	14,421	89,250	--	N/A	N/A					
OTHER												
1414	2004 Jacobsen HR-9016 Riding Mower	01/01/04	58,795	---	---	5	2009			60,000		
1415	2002 16' Cut Bar Wing Mower	05/09/02	60,500	---	---	5	2008		62,000			
1461	2001 John Deere Landscape Loader	02/09/01	62,000	---	---	10	2011					74,000
1421	2003 Kubota 4WD Mower	10/03/03	18,920	---	---	5	2008		20,000			
1423	2002 Kubota Mower with Plow	04/26/02	17,341	---	---	5	2008		18,500			
1424	2004 Hustler 25/54 Mower	01/01/04	7,811	---	---	10	2014		9,000			
1462	1994 John Deere Field Rake (b)	02/11/94	7,595	---	---	12	2006					
TOTAL PARKS AND RECREATION DEPARTMENT								\$0	\$235,500	\$77,000	\$26,000	\$94,000

(a) Vehicle 1439 used to be 650; will be sold at the next auction.

(b) To be replaced in 2006

Note: Replacement costs may reflect a 20% increase over purchase price.

CITY OF NEWARK  
CAPITAL IMPROVEMENTS PROGRAM 2007-2011  
OTHER DEPARTMENTS-GENERAL FUND

	PREVIOUSLY		DEPARTMENT REQUEST 2007	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					TOTAL
	ALLOCATED FUNDS PRIOR YEARS	2006 BUDGET		2007	2008	2009	2010	2011	
A0601 Shelving/Storage - Municipal Bldg Bsmt	\$0	\$0	\$0	\$0	\$20,000	\$0	\$0	\$0	\$20,000
A0102 Curtis Paper Mill Redevelopment	5,972	10,000	50,000	50,000	0	0	0	0	50,000
F0601 Open Office Floor Plan - Finance Dept	0	0	15,000	15,000	0	0	0	0	15,000
F0501 Automated Meter Reading	0	176,211	50,000	50,000	0	0	0	0	50,000
L0502 Document Imaging & Retrieval System	0	0	0	0	20,000	20,000	0	0	40,000
Equipment Replacement Program	0	0	0	0	145,000	19,000	60,000	12,000	236,000
Total Other Departments	\$5,972	\$186,211	\$115,000	\$115,000	\$185,000	\$39,000	\$60,000	\$12,000	\$411,000
CURRENT RESOURCES	\$0	\$186,211	\$115,000	\$115,000	\$40,000	\$20,000	\$0	\$0	\$175,000
CAPITAL RESERVES	5,972	0	0	0	0	0	0	0	0
EQUIPMENT REPLACEMENT	0	0	0	0	145,000	19,000	60,000	12,000	236,000
BOND ISSUES	0	0	0	0	0	0	0	0	0
GRANTS	0	0	0	0	0	0	0	0	0
OTHER FINANCING SOURCES	0	0	0	0	0	0	0	0	0
	\$5,972	\$186,211	\$115,000	\$115,000	\$185,000	\$39,000	\$60,000	\$12,000	\$411,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Administration		DIVISION: Purchasing	
PROJECT NO: A0601	PROJECT TITLE: Shelving/storage municipal building basement		
PROJECT LOCATION: Municipal Building			
PROJECT STATUS: NEW:		IN PREVIOUS PROGRAM: X	
		IN PROGRESS:	
DESCRIPTION: Our overflow storage/filing room in the basement of the Municipal Building is in need of an organized and useful system to house all departments archived and/or mandatory retention documents.			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	12/2008	Prelim. Plans Complete	
Est. Useful Life	30 years	Survey Completed	
Est. Total Cost	\$20,000	Detail Plans Completed	
First Year in Program	2006	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services	\$20,000	Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost	20,000	Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND			\$20,000				20,000
							-
							-
							-
TOTAL	-	-	20,000	-	-	-	20,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: ADMINISTRATION		DIVISION: PURCHASING	
PROJECT NO: A0102	PROJECT TITLE: CURTIS PAPER MILL		
PROJECT LOCATION: 225 PAPER MILL ROAD			
PROJECT STATUS:	NEW: X	IN PREVIOUS PROGRAM: X	IN PROGRESS:
<b>DESCRIPTION:</b> Since the purchase of this site in 1999, much has been accomplished although it may not be easily noticed. We have completed a brownfield study, asbestos survey and abatement, structural review, historical survey and documentation, and a preliminary development plan. A limited demolition and clean-out is also complete. This involved the removal of unsafe walls and structures and the removal of equipment, furnishings, wires, debris and trash that were left in the site. The site is now more secure but in need of final determinations regarding its future development. Possible efforts in 2007 may include maintenance or rehabilitation of the smoke stack, further abatement or site evaluations, securing on-site structures, further demolition or site evaluations, or even demolition of remaining structures. Staff will develop a report with recommendations that may be used as the basis for City Council workshops and/or discussions.			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date		Prelim. Plans Complete	
Est. Useful Life	30 Years	Survey Completed	
Est. Total Cost	\$200,000	Detail Plans Completed	
First Year in Program	2000	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services	200,000	Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost	200,000	Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND	10,000	50,000					50,000
CAPITAL PROJECT FUND	5,972						-
							-
							-
TOTAL	15,972	50,000	-	-	-	-	50,000

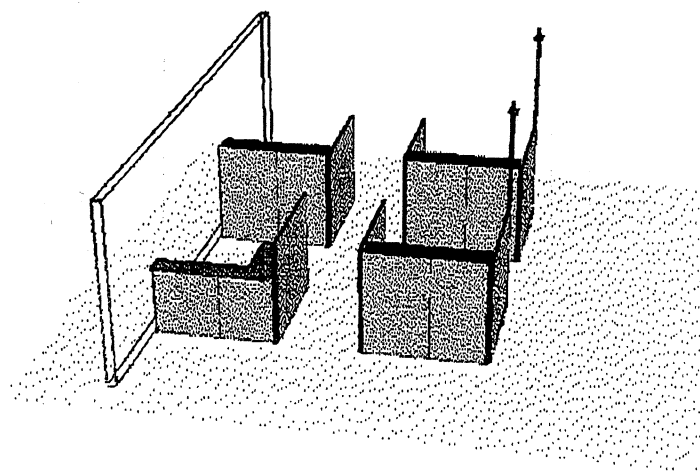
# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Finance		DIVISION: Accounting/Data Processing/Customer Service	
PROJECT NO: F0601	PROJECT TITLE: Open Office Floor plan		
PROJECT LOCATION: Finance Department - City Hall			
PROJECT STATUS:	NEW: X	IN PREVIOUS PROGRAM:	IN PROGRESS:
DESCRIPTION: Ten years ago the Finance Department floorplan was modified from its original open office environment. A drywall enclosure was built for the accounting staff. Our current operations are limited because the Finance Assistant now receives business license and building permit traffic that must be routed through Customer Service and our rear corridor. Customer service will be improved by repositioning the Finance Assistant facing the main public right of way opposite the Parks Department. The Finance Department, like most other departments in the building, has run out of office space. Two data processing employees currently share the crowded computer room with a growing bank of computer hardware. A separate workstation will be provided for one of these employees. One Customer Service workstation remains enclosed. Since relocating the Billing Technician to the Mail Room, there is no longer a need to enclose that workstation. It should be accessible with a counter like the three other Customer Service workstations. A sample floorplan is attached and will be further refined upon obtaining competitive bids from vendors.			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE:	
Est. Completion Date	2006	Prelim. Plans Complete	
Est. Useful Life	10 Years	Survey Completed	
Est. Total Cost	\$15,000	Detail Plans Completed	
First Year in Program	2006	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services	-	Contract Awarded	
Non-Pers. Services	-	Site Prepared	
Capital Outlay	-	Construction Started	
Total Oper. Cost	-	Construction Complete (%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND		15,000					15,000
							-
							-
							-
TOTAL	-	15,000	-	-	-	-	15,000



# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL


DEPARTMENT: FINANCE		DIVISION: METER READING	
PROJECT NO: F0501	PROJECT TITLE: AUTOMATED METER READING		
PROJECT LOCATION: COMMERCIAL METER LOCATIONS THROUGHOUT THE CITY			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM: X	IN PROGRESS: X
DESCRIPTION: Install automated electric utility meters at 1,960 commercial and apartment complex locations throughout the City. This will allow for the radio transmission of meter readings to improve accuracy and speed of utility billing. Please review the attached memo.			

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date	12/30/07		Prelim. Plans Complete				
Est. Useful Life	20 Years		Survey Completed				
Est. Total Cost	\$410,000		Detail Plans Completed				
First Year in Program	2005		Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services	(18,000)		Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost	(18,000)		Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND	176,211	50,000					50,000
							-
							-
							-
TOTAL	176,211	50,000	-	-	-	-	50,000

**CITY OF NEWARK**  
Delaware

April 12, 2004

**TO:** Carl F. Luft, City Manager

**FROM:** George Sarris, Finance Director 

**SUBJ:** Capital Program Submittal: Automated Meter Reading, F0501

After many years, we have finally implemented the basic technology required to eliminate the manual data entry of utility meter readings. This equipment also allows us to collect electric meter readings by radio transmission. The first 100 such meters have been installed on an experimental basis and we are very happy with the results. I believe it is time to move toward greater automation in this area and, if possible, reduce or minimize the number of part-time staff we have hired during the past five years.

Milford, Smyrna and Middletown have all implemented automated meter reading in some form. Smyrna converted all 5,600 of their water and electric meters for approximately \$500,000. Middletown began to phase in the program several years ago and has almost completed the project. Milford has proposed a \$1 million program over five years. Newark has approximately 11,337 electric meters and 9,441 water meters. This represents an increase of 16% over the past ten years. The workload has increased beyond the number of meters because growth has occurred primarily in the area of commercial structures and apartments that require monthly readings and involve a much higher degree of turnover. Eliminating the maintenance contract for parking meters in 1997 further limited the time our staff had for meter readings.

We have received proposals to completely automate our electric system with two-way meters that allow us to take readings and turn services on and off without ever leaving the building. The cost ranges from \$1 million to \$1.4 million. Instead, I would like to phase in a less expensive system similar to the other DEMEC towns and cities. The greatest impact could be had by converting our 1050 commercial accounts to automated readers for a cost of approximately \$350,000. These meters must all be read on a monthly basis and usually take 5 or 6 days out of 21 working days per month. Many of these meters are inside and require us to carry hundreds of keys and go through security procedures to gain access and obtain readings. Another phase of this program could include apartment buildings and would cost about \$50,000. Obviously, we are a long way from ever taking monthly readings for the vast majority of our residential customers, but I believe this is good start.

With our current staffing, we are barely able to keep up with our workload. This year we had to estimate some commercial readings for the first time. Our ability to do disconnects and enforce collections is also severely limited. I have some very



dedicated staff who work extra hours without overtime and come in on Sundays to keep up. We have dramatically cut back on overtime to reduce operating costs and I am concerned that the stress levels of our employees are running far too high. I am also concerned that we are not giving our customers the level of service that other utilities are able to provide.

By implementing automated readings for commercial customers, the annualized cost of the program over 20 years would be approximately \$18,000. We currently spend \$34,000 on part-time labor and without this program I would propose that this be increased to \$46,000 in our 2005 operating budget. The cost of an additional vehicle to go with a 3<sup>rd</sup> part-time meter reader would bring the annualized cost of part-time meter reading to \$50,000. I believe we can reduce our part-time meter reading budget by at least the \$18,000 annualized cost of this program, if not more.

There are some additional benefits from implementing automated reading. The electric department will be able to monitor commercial demand levels and better plan for system growth. Meter readings will be almost 100% accurate and eliminate the need for rereads. We have already begun to manage future growth by replacing damaged meters with the automated type and ensuring that new development incorporates the new technology.

	PHASE I Commercial/Industrial Polyphase Meter	PHASE II Apartments Standard Meter	PHASE I & II Commercial/Industrial Apartments
Number of Meters	1,050	910	1,960
Meter Price	\$338	\$59	
Total Cost	\$354,375	\$53,235	\$407,610
Depreciated Annual Cost	\$17,719	\$2,662	\$20,381
Current Part-Time Labor			\$34,017
Projected Part-Time Labor w/o Automation			\$46,382
Projected Annualized Vehicle Cost w/o Automation			\$3,600
Projected Meter Reading Costs w/o Automation			\$49,982
Projected Increase in Meter Reading Costs w/o Automation			\$15,965

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: LEGISLATIVE		DIVISION:	
PROJECT NO: L0502	PROJECT: DOCUMENT IMAGING AND RETRIEVAL SYSTEM		
PROJECT LOCATION: CITY SECRETARY'S OFFICE			
PROJECT STATUS:	NEW:	IN PREVIOUS PROGRAM: X	IN PROGRESS:
DESCRIPTION: One of the main functions of the City Secretary's Office is recordkeeping and in trying to keep up with the volume of paper this office deals with on a daily basis, a document imaging system is requested. Such a system will appropriately diminish the amount of paper and hard copy we need to store and will add an added convenience of easy retrieval for staff and in the future, citizens.			

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date Est. Useful Life Est. Total Cost First Year in Program	6/30/06	Prelim. Plans Complete					
	25 Years	Survey Completed					
	\$40,000	Detail Plans Completed					
	2005	Specifications Completed					
ESTIMATED OPERATING COST		Site Secured					
CLASSIFICATION	AMOUNT	Bids Received					
Personal Services		Contract Awarded					
Non-Pers. Services		Site Prepared					
Capital Outlay		Construction Started					
Total Oper. Cost	-	Construction Complete (%)					
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND			20,000	20,000			40,000
							-
							-
							-
TOTAL	-	-	20,000	20,000	-	-	40,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: OTHER DEPARTMENTS		DIVISION:	
PROJECT NO: A-EQSF B-EQSF; F-EQSF		PROJECT: Equipment Replacement Program	
PROJECT LOCATION:			
PROJECT STATUS:		NEW:	IN PREVIOUS PROGRAM: YES
			IN PROGRESS:
DESCRIPTION: Planned advance funding accumulated through depreciation to replace essential equipment when necessary. See attached schedule.			

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE:				
Est. Completion Date Est. Useful Life Est. Total Cost First Year in Program			Prelim. Plans Complete				
			Survey Completed				
			Detail Plans Completed				
			Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services			Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost	-		Construction Complete (%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
Equipment Replacement Fund		-	145,000	19,000	60,000	12,000	236,000
							-
							-
							-
TOTAL	-	-	145,000	19,000	60,000	12,000	236,000

**CITY OF NEWARK, DELAWARE**  
**EQUIPMENT REPLACEMENT PROGRAM SCHEDULE 2007-2011**  
**OTHER DEPARTMENTS**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 4/30/2005	EST MILEAGE AT REPL	NORMAL YEARS LIFE	EST YR TO BE REPL	REPLACEMENT COSTS				
								2007	2008	2009	2010	2011
BUILDING DEPARTMENT:												
804	2005 Dodge Neon Sedan	05/12/05	10,043	N/A	N/A	7	2012					
807	1999 Ford Crown Victoria	07/30/99	19,617	99,544	85,000	8	2008		21,000			
803	2001 Chevrolet Cavalier	02/09/01	11,397	26,818	85,000	7	2008		18,500			
827	2004 Chevrolet Cavalier	04/22/04	9,962	5,191	85,000	7	2011					12,000
836	2002 Jeep Liberty	04/26/02	18,541	29,335	75,000	7	2009			19,000		
837	2000 Jeep Cherokee	05/26/00	18,814	26,148	75,000	8	2008		19,000			
839	2001 Jeep Cherokee	02/09/01	18,814	19,555	80,000	9	2010				20,000	
840	2001 Jeep Cherokee	02/09/01	18,814	13,006	75,000	9	2010				20,000	
838	2001 Chevrolet Cavalier	02/09/01	11,397	30,128	75,000	9	2010				20,000	
800	1998 Ford Taurus	03/27/98	14,150	69,958	75,000	9	2008		18,500			
TOTAL BUILDING DEPARTMENT								\$0	\$77,000	\$19,000	\$60,000	\$12,000
FINANCE DEPARTMENT:												
1017	1999 Plymouth Breeze	04/23/99	11,883	54,182	70,000	8	2008		15,000			
1056	2000 Chrysler Cirrus	04/07/00	12,240	39,285	75,000	8	2008		15,000			
1016	1999 Plymouth Breeze	04/23/99	11,883	36,433	75,000	8	2008		15,000			
TOTAL FINANCE DEPARTMENT								\$0	\$45,000	\$0	\$0	\$0
ADMINISTRATION DEPARTMENT												
1200	1993 Ford Pick-up	05/07/93	9,241	73,600	---	N/A	N/A					
1212	2000 Ford Crown Victoria	08/11/00	19,851	16,975	55,000	7	2008		23,000			
TOTAL ADMINISTRATION DEPARTMENT								\$0	\$23,000	\$0	\$0	\$0
TOTAL OTHER DEPARTMENTS								\$0	\$145,000	\$19,000	\$60,000	\$12,000

(b) Vehicle 1200 used to be 504. It was replaced in 2003 and kept. It will not be replaced.  
Note: Replacement costs may reflect a 20% increase over purchase price.

CITY OF NEWARK  
CAPITAL IMPROVEMENTS PROGRAM 2007-2011  
PARKING FUND

	PREVIOUSLY		DEPARTMENT REQUEST	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					TOTAL
	ALLOCATED FUNDS PRIOR YEARS	2006 BUDGET		2007	2008	2009	2010	2011	
V0601 Proximity Card Installation-Lots #2, 3, & 4	\$0	\$0	\$17,000	\$17,000	\$0	\$0	\$0	\$0	\$17,000
V0602 Downtown Parking Garage Study	0	25,000	0	0	0	0	0	0	0
V0501 Parking Lot Security System-Lots #1 & #3	2,406	0	0	0	15,000	0	0	0	15,000
VEQSF Equipment Replacement Program	0	0	0	0	0	0	16,000	0	16,000
Total Parking Fund	\$2,406	\$25,000	\$17,000	\$17,000	\$15,000	\$0	\$16,000	\$0	\$48,000
CURRENT RESOURCES	\$0	\$25,000	\$17,000	\$17,000	\$15,000	\$0	\$0	\$0	\$32,000
CAPITAL RESERVES	2,406	0	0	0	0	0	0	0	0
EQUIPMENT REPLACEMENT	0	0	0	0	0	0	16,000	0	16,000
BOND ISSUES	0	0	0	0	0	0	0	0	0
GRANTS	0	0	0	0	0	0	0	0	0
OTHER FINANCING SOURCES	0	0	0	0	0	0	0	0	0
	\$2,406	\$25,000	\$17,000	\$17,000	\$15,000	\$0	\$16,000	\$0	\$48,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Planning		DIVISION: Parking	
PROJECT NO: V0601	PROJECT TITLE: Proximity Card Installation		
PROJECT LOCATION: Lots 2, 3, and 4			
PROJECT STATUS: NEW:    IN PREVIOUS PROGRAM: Yes    IN PROGRESS:			
DESCRIPTION: All monthly permit holders will be able to utilize a proximity card to enter/exit lots. A proximity card is a remote readable digitized pass the size of a credit card. This system will provide improved service to the customer, expedite egress and ingress and create a much more efficient permit system. Cost benefits include eliminating the wasteful use of "spitter" tickets by monthly permit holders that amounts to about 25-35 percent of ticket use. Proximity cards are also much more effective for revenue collection "cheating" the system is more difficult. In addition, the new system will allow for a greater "over-sale," thus minimizing vacancies.			

SUMMARY OF PROJECT DATA			PROGRESS SCHEDULE				
Est. Completion Date	2007		Prelim. Plans Complete				
Est. Useful Life			Survey Completed				
Est. Total Cost	\$17,000		Detail Plans Completed				
First Year in Program	2006		Specifications Completed				
ESTIMATED OPERATING COST			Site Secured				
CLASSIFICATION	AMOUNT		Bids Received				
Personal Services			Contract Awarded				
Non-Pers. Services			Site Prepared				
Capital Outlay			Construction Started				
Total Oper. Cost			Construction Complete(%)				
PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND							
Parking Fund		17,000					17,000
TOTAL		17,000					17,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Planning		DIVISION: Parking	
PROJECT NO: V0602	PROJECT TITLE: Downtown Parking Improvements		
PROJECT LOCATION: Downtown			
PROJECT STATUS: NEW:                      IN PREVIOUS PROGRAM: Yes    IN PROGRESS:			
DESCRIPTION: The Parking Garage Study will recommend what improvements may be needed to accommodate downtown parking. These could include a garage, additional street and surface lot spaces, or improved equipment and signage. A referendum would be required for any option chosen by City Council that requires borrowed funds.			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE	
Est. Completion Date	2009	Prelim. Plans Complete	8/06
Est. Useful Life	50 years	Survey Completed	
Est. Total Cost		Detail Plans Completed	
First Year in Program	2006	Specifications Completed	

ESTIMATED OPERATING COST			
CLASSIFICATION	AMOUNT	Site Secured	
		Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete(%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND							
Parking Fund	25,000						
TOTAL							



# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Planning		DIVISION: Parking	
PROJECT NO: V0501	PROJECT TITLE: Parking Lot Security Systems		
PROJECT LOCATION: Main Street -- Lots #1 and #3			
PROJECT STATUS:            NEW:            IN PREVIOUS PROGRAM: Yes    IN PROGRESS:			
<p>DESCRIPTION: In order to insure appropriate and required security for patrons and employees in Lots #1 and #3 a surveillance system is recommended for both lots. The equipment will be essential to the success of the pay-on-foot system in Lot #1 as it is unmanned system without the benefit of regular PEO patrols. The system will deter vandalism, assist in the prosecution of vandals, and allow the Parking Division to provide improved customer service by monitoring all entrances, exits and pay stations in the lot, and responding to problems viewed in the parking office. The estimated costs for a Lot #1 surveillance system is \$20,000. In Lot #3, the proposed security system will improve the safety of the cashiers as they work alone and the lot is operational 20 hours a day. Lot #3 expansion into the Wilmington Trust lot created blind spots in the lot, limiting the cashier's ability to see all areas of the lot from the booth. Obvious blind spots increase the likelihood of vandalism. Our experience in recently reconstructed Lot #4 is that surveillance cameras deter vandalism and when vandalism does occur, surveillance significantly improves the City's chances of identifying the vandal and receiving restitution for the broken equipment. The estimate for Lot #3 security system is \$15,000.</p>			

SUMMARY OF PROJECT DATA		PROGRESS SCHEDULE	
Est. Completion Date Est. Useful Life Est. Total Cost First Year in Program	2008	Prelim. Plans Complete	
	20 yrs	Survey Completed	
	\$35,000	Detail Plans Completed	
	2005	Specifications Completed	
ESTIMATED OPERATING COST		Site Secured	
CLASSIFICATION	AMOUNT	Bids Received	
Personal Services		Contract Awarded	
Non-Pers. Services		Site Prepared	
Capital Outlay		Construction Started	
Total Oper. Cost		Construction Complete(%)	

PLANNED FINANCING OF PROJECT							
SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
PARKING FUND	2,406		15,000				\$15,000
TOTAL	2,406		15,000				\$15,000

# CITY OF NEWARK, DELAWARE

## CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Planning		DIVISION: Parking	
PROJECT NO: V-EQSF	PROJECT TITLE: Equipment Replacement Program		
PROJECT LOCATION:			
PROJECT STATUS: NEW:                      IN PREVIOUS PROGRAM: YES    IN PROGRESS:			
DESCRIPTION: Planned advance funding accumulated through depreciation to replace essential equipment when necessary. See attached schedule.			

SUMMARY OF PROJECT DATA	PROGRESS SCHEDULE
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Est. Completion Date		Prelim. Plans Complete	
Est. Useful Life		Survey Completed	
Est. Total Cost		Detail Plans Completed	
First Year in Program		Specifications Completed	

ESTIMATED OPERATING COST		
CLASSIFICATION	AMOUNT	Site Secured
Personal Services		Bids Received
Non-Pers. Services		Contract Awarded
Capital Outlay		Site Prepared
Total Oper. Cost		Construction Started
		Construction Complete(%)

PLANNED FINANCING OF PROJECT							
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SOURCE OF FUNDS	PRIOR	2007	2008	2009	2010	2011	TOTAL
GENERAL FUND					16,000		16,000
Parking Fund							
TOTAL					16,000		16,000

**CITY OF NEWARK, DELAWARE**  
**EQUIPMENT REPLACEMENT PROGRAM SCHEDULE 2007-2011**  
**PLANNING DEPARTMENT, PARKING DIVISION**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 4/30/2005	EST MILEAGE AT REPL	NORMAL YEARS LIFE	EST YR TO BE REPL	REPLACEMENT COSTS			
								2007	2008	2009	2010 2011
1100	2003 Chevrolet Pickup	05/23/03	14,388	6,018	55,000	7	2010				16,000
TOTAL PARKING DIVISION								\$0	\$0	\$0	\$16,000 \$0

Note: Replacement costs may reflect a 20% increase over purchase price.